

Anti- $\beta$ -Catenin Rabbit pAb

WL0962a

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

|                                                                                                                                                                                                       |                                                                   |              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------|--|
| <b>Product name</b>                                                                                                                                                                                   | Anti- $\beta$ -Catenin Rabbit pAb                                 |              |  |
| <b>Source</b>                                                                                                                                                                                         | Rabbit                                                            |              |  |
| <b>Species reactivity</b>                                                                                                                                                                             | Human, Mouse, Rat                                                 |              |  |
| <b>Tested applications</b>                                                                                                                                                                            | Western blot                                                      | 1:500-1:1000 |  |
|                                                                                                                                                                                                       | Immunohistochemistry                                              | 1:50-1:200   |  |
|                                                                                                                                                                                                       | Immunofluorescence                                                | 1:50-1:200   |  |
| <i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i> |                                                                   |              |  |
| <b>Pack size</b>                                                                                                                                                                                      | 50/100/200/500/1000 $\mu$ l                                       |              |  |
| <b>Storage</b>                                                                                                                                                                                        | Store at -20°C. <b>Avoid freeze/thaw cycles.</b>                  |              |  |
| <b>Storage buffer</b>                                                                                                                                                                                 | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml |              |  |
|                                                                                                                                                                                                       | BSA, 50% glycerol and less than 0.02% sodium azide                |              |  |

## General Information

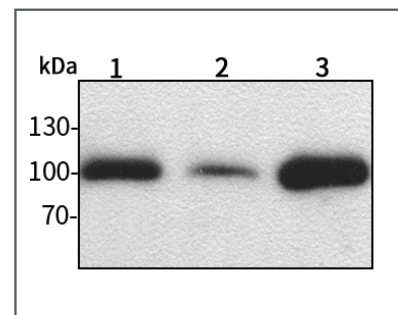
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background</b>   | $\beta$ -Catenin is a key downstream effector in the Wnt signaling pathway. It is implicated in two major biological processes in vertebrates: early embryonic development and tumorigenesis. CK1 phosphorylates $\beta$ -catenin at Ser45. This phosphorylation event primes $\beta$ -catenin for subsequent phosphorylation by GSK-3 $\beta$ . GSK-3 $\beta$ destabilizes $\beta$ -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of $\beta$ -catenin protein levels and have been found in many tumor cell lines. |
| <b>Immunogen</b>    | Polyclonal antibody is produced by immunizing animals with a synthetic peptide of $\beta$ -Catenin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purification</b> | Polyclonal antibody was purified by immunogen affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

Anti- $\beta$ -Catenin Rabbit pAb

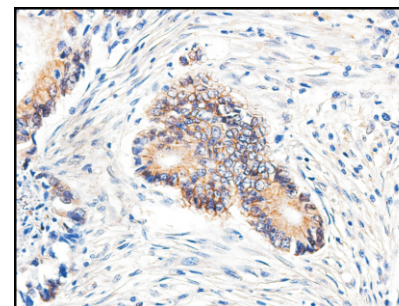
WL0962a

For Research Use Only. Not For Use In Diagnostic Procedures

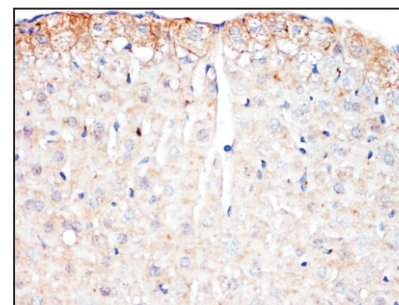
## Product Images

Western blot-Anti- $\beta$ -Catenin pAb

Lane 1: Human MCF-7 cell lysate  
 Lane 2: Human SGC-7901 cell lysate  
 Lane 3: Human Caco2 cell lysate  
 All lanes: Anti- $\beta$ -Catenin at 1:1000 dilution  
 Lysates/proteins at 20-50  $\mu$ g per lane.  
 Predicted band size: 86 kDa  
 Observed band size: 92 kDa

Immunohistochemistry-Anti- $\beta$ -Catenin pAb

Sample: Human colon cancer tissue  
 Antigen retrieval: pH 6.0 citrate buffer  
 Primary antibody: 1:100, 4°C, overnight  
 Secondary antibody-Biotin: 1:150, 37°C, 1h  
 Streptavidin-HRP: 1:200, 37°C, 30min  
 Visualization: DAB

Immunohistochemistry-Anti- $\beta$ -Catenin pAb

Sample: Mouse liver tissue  
 Antigen retrieval: pH 6.0 citrate buffer  
 Primary antibody: 1:200, 4°C, overnight  
 Secondary antibody-Biotin: 1:150, 37°C, 1h  
 Streptavidin-HRP: 1:200, 37°C, 30min  
 Visualization: DAB

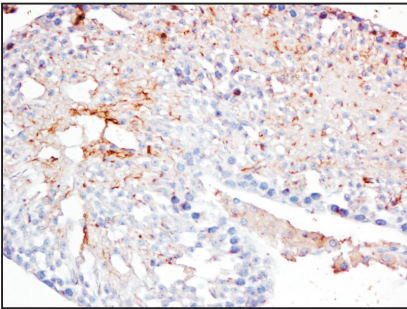
# Anti-β-Catenin Rabbit pAb



WL0962a

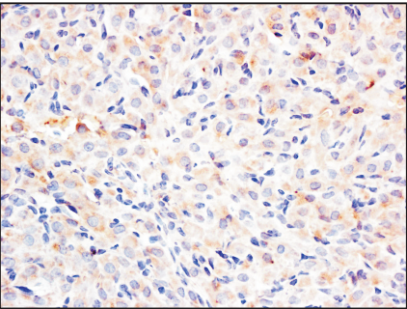
For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information



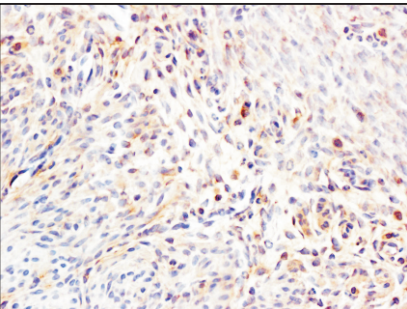
### Immunohistochemistry-Anti-β-Catenin pAb

**Sample:** Mouse testicle tissue  
**Antigen retrieval:** pH 6.0 citrate buffer  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-Biotin:** 1:150, 37°C, 1h  
**Streptavidin-HRP:** 1:200, 37°C, 30min  
**Visualization:** DAB



### Immunohistochemistry-Anti-β-Catenin pAb

**Sample:** Rat ovary tissue  
**Antigen retrieval:** pH 6.0 citrate buffer  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-Biotin:** 1:150, 37°C, 1h  
**Streptavidin-HRP:** 1:200, 37°C, 30min  
**Visualization:** DAB



### Immunohistochemistry-Anti-β-Catenin pAb

**Sample:** Rat uterus tissue  
**Antigen retrieval:** pH 6.0 citrate buffer  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-Biotin:** 1:150, 37°C, 1h  
**Streptavidin-HRP:** 1:200, 37°C, 30min  
**Visualization:** DAB

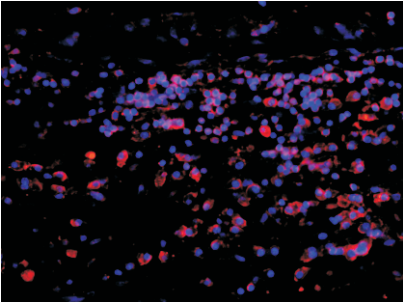
# Anti-β-Catenin Rabbit pAb



WL0962a

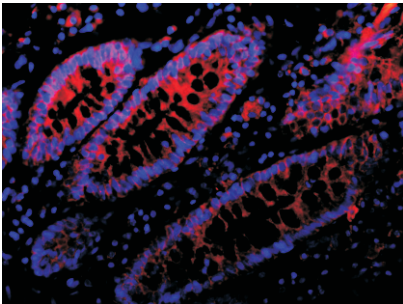
For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information



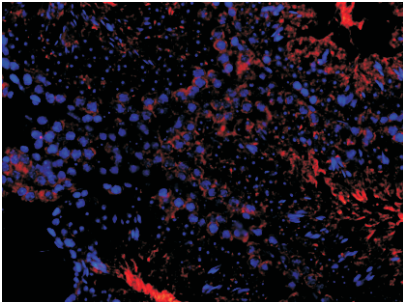
### Immunofluorescence-Anti-β-Catenin pAb

**Sample:** Human kidney cancer tissue  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-CY3:** 1:200, at room temperature, 1h



### Immunofluorescence-Anti-β-Catenin pAb

**Sample:** Human colon cancer tissue  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-CY3:** 1:200, at room temperature, 1h



### Immunofluorescence-Anti-β-Catenin pAb

**Sample:** Mouse testicle tissue  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-CY3:** 1:200, at room temperature, 1h

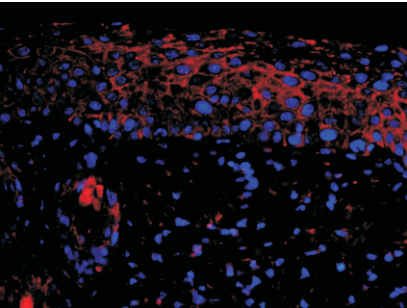
Anti-β-Catenin Rabbit pAb



WL0962a

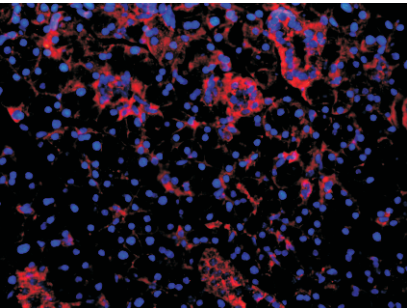
For Research Use Only. Not For Use In Diagnostic Procedures

Product Information



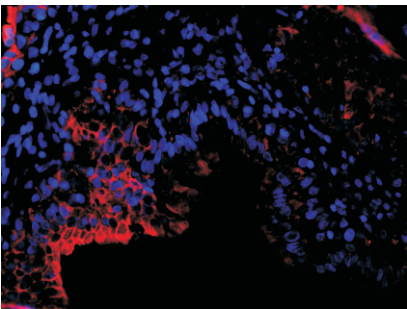
Immunofluorescence-Anti-β-Catenin pAb

Sample: Rat skin tissue  
Primary antibody: 1:200, 4°C, overnight  
Secondary antibody- CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti-β-Catenin pAb

Sample: Rat submandibular gland tissue  
Primary antibody: 1:200, 4°C, overnight  
Secondary antibody- CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti-β-Catenin pAb

Sample: Rat uterus tissue  
Primary antibody: 1:200, 4°C, overnight  
Secondary antibody- CY3: 1:200, at room temperature, 1h

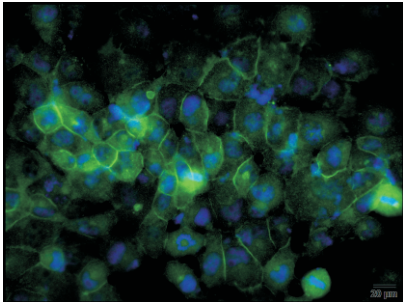
Anti-β-Catenin Rabbit pAb



WL0962a

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information



Immunofluorescence-Anti-β-Catenin pAb

Sample: Human 95D cell  
Primary antibody: 1:100, 4°C, overnight  
Secondary antibody- FITC: 1:150, 37°C, 1h