

## Anti-RUNX2 Rabbit pAb



WL03358

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-RUNX2 Rabbit pAb		
<b>Source</b>	Rabbit		
<b>Species reactivity</b>	Human, Mouse, Rat		
<b>Tested applications</b>	Western blot	1:1000-1:2000	
	Immunohistochemistry	1:100-1:400	
<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>	50/100/200/500/1000µl		
<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 µg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

## General Information

<b>Background</b>	RUNX2 is a member of the RUNX family of transcription factors. It is involved in osteoblast differentiation and skeletal morphogenesis. RUNX2 regulates the transcription of various genes including osteopontin, bone sialoprotein, and osteocalcin via binding to the core site of the enhancers or promoters. RUNX2 is crucial for the maturation of osteoblasts and both intramembranous and endochondral ossification. Mutations in RUNX2 have been associated with the bone development disorder cleidocranial dysplasia. RUNX2 is also abnormally expressed in various human cancers including prostate cancer and breast cancer. It plays an important role in migration, invasion, and bone metastasis of prostate and breast cancer cells.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of RUNX2.

<b>Purification</b>	Polyclonal antibody was purified by Protein A affinity chromatography.
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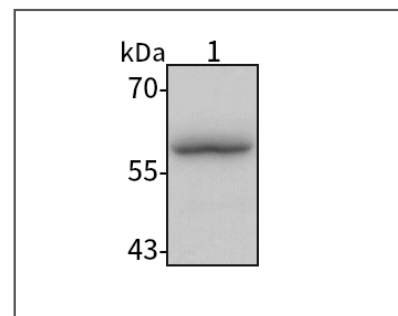
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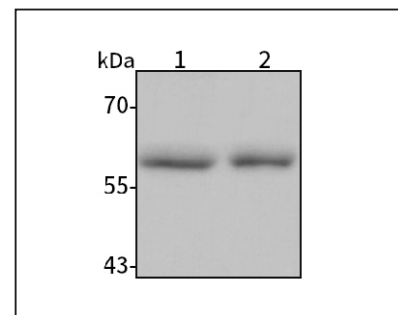
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## Product Images



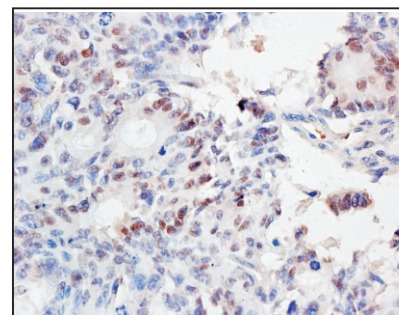
## Western blot-Anti-RUNX2 pAb

Lane 1: Human THP-1 cell lysate  
 All lanes: Anti-RUNX2 at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane  
 Predicted band size: 56 kDa  
 Observed band size: 56-62 kDa



## Western blot-Anti-RUNX2 pAb

Lane 1: Mouse kidney tissue lysate  
 Lane 2: Rat spleen tissue lysate  
 All lanes: Anti-RUNX2 at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane  
 Predicted band size: 56 kDa  
 Observed band size: 56-62 kDa



## Immunohistochemistry-Anti-RUNX2 pAb

Sample: Human colon cancer tissue  
 Antigen retrieval: pH 9.0 Tris-EDTA buffer  
 Primary antibody: 1:150, 4°C, overnight  
 Secondary antibody-Biotin: 1:150, 37°C, 1h  
 Streptavidin-HRP: 1:200, 37°C, 30min  
 Color Developing: DAB

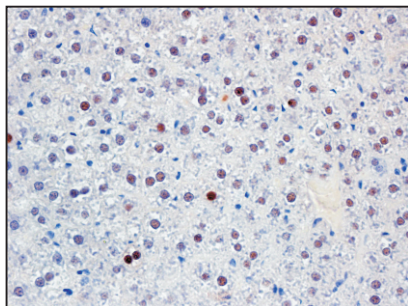
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### Immunohistochemistry-Anti-RUNX2 pAb

**Sample:** Rat liver tissue

**Antigen retrieval:** pH 9.0 Tris-EDTA buffer

**Primary antibody:** 1:150, 4°C, overnight

**Secondary antibody-Biotin:** 1:150, 37°C, 1h

**Streptavidin-HRP:** 1:200, 37°C, 30min

**Color Developing:** DAB