Pruduct Datasheet

Anti-SMAD3 Rabbit pAb

WL02288

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-SMAD3 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Western blot 1:500 Immunohistochemistry 1:200
	**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.*
Molecular Wt.	54 kDa
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. **Avoid freeze/thaw cycles.**
Storage buffer	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

Background

Members of the Smad family of signal transduction molecules are components of a critical intracellular pathway that transmit TGF-β signals from the cell surface into the nucleus. Smad1 and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 and Smad3 are involved in TGF-β and Activin-mediated growth modulation. Smad4 has been shown to mediate all of the above activities through interaction with various Smad family members. The phosphorylated receptor-regulated Smad issociates from the receptor and forms a heteromeric complex with the co-Smad (Smad4), allowing translocation of the complex to the nucleus. Once in the nucleus, Smads can target a variety of DNA binding proteins to regulate transcriptional responses.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of SMAD3.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

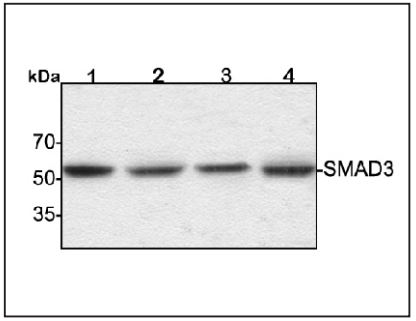
Pruduct Datasheet

Anti-SMAD3 Rabbit pAb

WL02288

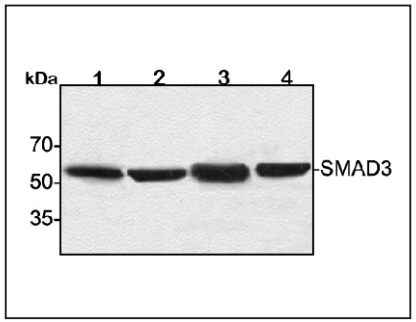
For Research Use Only.Not For Use In Diagnostic Procedures

Product Images



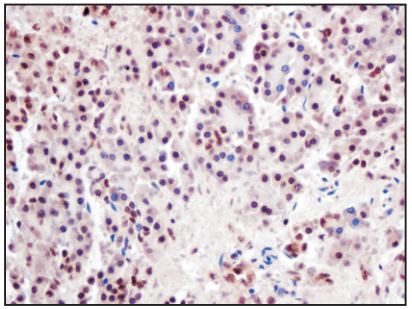
Western blot-Anti-SMAD3 pAb

Lane 1: Human BGC-823 cell lysate 30μg
Lane 2: Human MGC-803 cell lysate 30μg
Lane 3: Human SGC-7901 cell lysate 30μg
Lane 4: Human MCF-7 cell lysate 30μg
Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:500 in blocking buffer, 4°C, overnight
Secondary antibody (WLA023a) : 1:5000-1:10000, 45min
Detection: ECL, 30s-2min



Western blot-Anti-SMAD3 pAb

Lane 1: Mouse brain tissue lysate 30μg
Lane 2: Mouse heart tissue lysate 30μg
Lane 3: Rat kidney tissue lysate 30μg
Lane 4: Rat liver tissue lysate 30μg
Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:500 in blocking buffer, 4°C, overnight
Secondary antibody (WLA023a) : 1:5000-1:10000, 45min
Detection: ECL, 30s-2min



Immunohistochemistry-Anti-SMAD3 pAb

Sample: Human pancreatic cancer tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:100, 4°C, overnignt
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB

Wanleibio Co.,Ltd. 400-602-0407 sales@wanleibio.com www.wanleibio.com

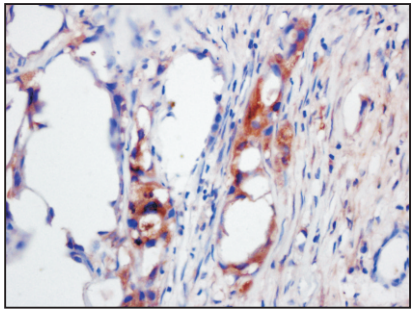
Pruduct Datasheet

Anti-SMAD3 Rabbit pAb

WL02288

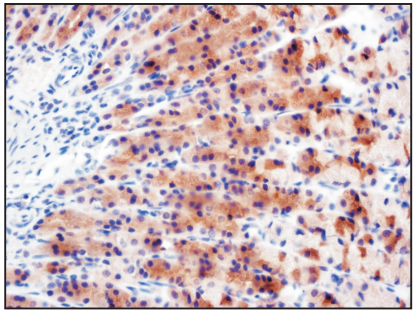
For Research Use Only.Not For Use In Diagnostic Procedures

Product Information



Immunohistochemistry-Anti-SMAD3 pAb

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



Immunohistochemistry-Anti-SMAD3 pAb

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