Product Datasheet

Smad3(Ab-208) Antibody

Catalog No: #21324

Package Size: #21324-1 50ul #21324-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Smad3(Ab-208) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Smad3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.206~210 (N-L-S-P-N) derived from Human Smad3.
Target Name	Smad3
Other Names	JV15-2; MAD-3; MADH3; Mad3; Mothers against DPP homolog 3
Accession No.	Swiss-Prot: P84022NCBI Protein: NP_001138574.1
Uniprot	P84022
GeneID	4088;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

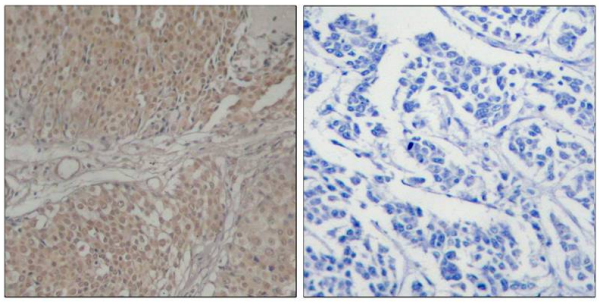
Application Details

Predicted MW: 52kd

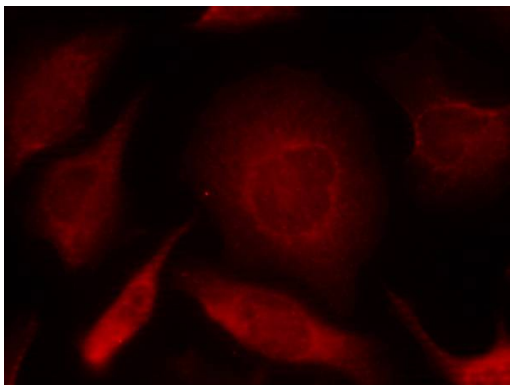
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Smad3(Ab-208) Antibody #21324(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using Smad3(Ab-208) Antibody #21324.

Background

Smad3 encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis.

Shi W, et al. J Cell Sci. 2007 Apr 1;120(Pt 7):1216-24
Seong HA, et al. J Biol Chem. 2007 Apr 20;282(16):12272-89
Wordinger RJ, et al. Invest Ophthalmol Vis Sci. 2007 Mar;48(3):1191-200
LeClair RJ, et al. Circ Res. 2007 Mar 30;100(6):826-33

Note: This product is for in vitro research use only