

Product Datasheet

Smad3 Antibody (7F3) - Azide and BSA Free H00004088-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00004088-M02

Smad3 Antibody (7F3) - Azide and BSA Free

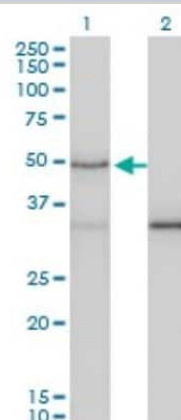
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7F3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4088
Gene Symbol	SMAD3
Species	Human, Rat
Specificity/Sensitivity	SMAD3 - SMAD, mothers against DPP homolog 3 (Drosophila)
Immunogen	SMAD3 (NP_005893, 120 a.a. ~ 221 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. VCVNPYHYQRVETPVLPPVLVPRHTEIPAEFPPLDDYSHSIPENTNFPAGIEPQ SNIPETPPPGYLSEGETSDHQMNHSM DAGSPNLSPNPMSPAHHNLDL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

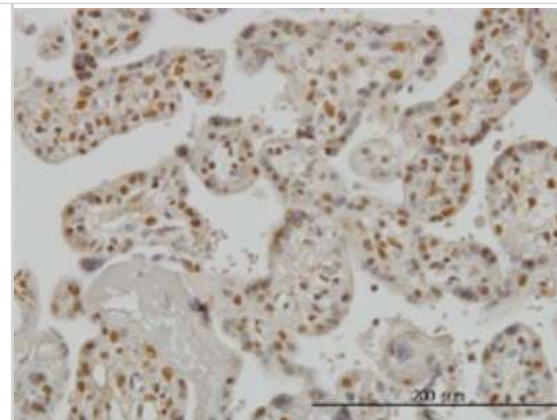
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Proximity Ligation Assay
Application Notes	Antibody reactivity against cell lysate, tissue lysate and recombinant protein for WB. It has been used for IHC-P and ELISA.

Images

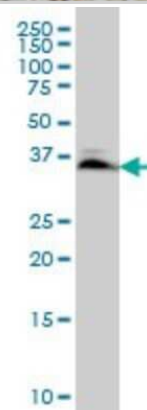
Western Blot: Smad3 Antibody (7F3) [H00004088-M02] - Analysis of SMAD3 expression in transfected 293T cell line by SMAD3 monoclonal antibody (M02), clone 7F3. Lane 1: SMAD3 transfected lysate(48 KDa). Lane 2: Non-transfected lysate.



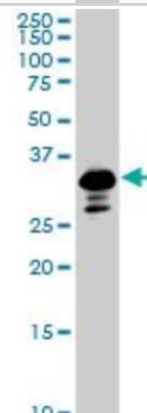
Immunohistochemistry-Paraffin: Smad3 Antibody (7F3) [H00004088-M02] - Analysis of monoclonal antibody to SMAD3 on formalin-fixed paraffin-embedded human placenta. Antibody concentration 3 ug/ml.



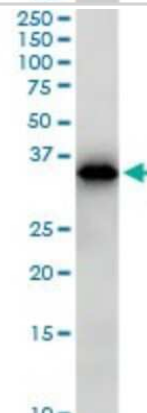
Western Blot: Smad3 Antibody (7F3) [H00004088-M02] - SMAD3 monoclonal antibody (M02), clone 7F3. Analysis of SMAD3 expression in HeLa.



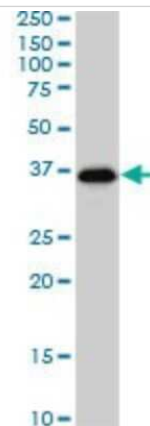
Western Blot: Smad3 Antibody (7F3) [H00004088-M02] - SMAD3 monoclonal antibody (M02), clone 7F3. Analysis of SMAD3 expression in PC-12.



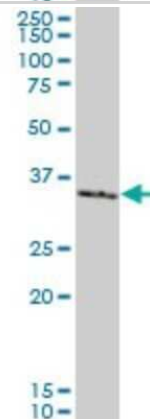
Western Blot: Smad3 Antibody (7F3) [H00004088-M02] - SMAD3 monoclonal antibody (M02), clone 7F3. Analysis of SMAD3 expression in 293.



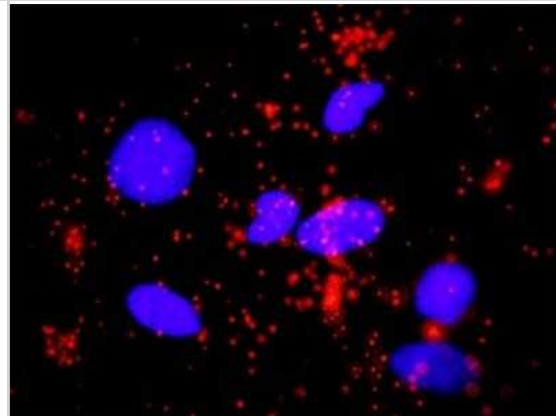
Western Blot: Smad3 Antibody (7F3) [H00004088-M02] - SMAD3 monoclonal antibody (M02), clone 7F3. Analysis of SMAD3 expression in Jurkat.



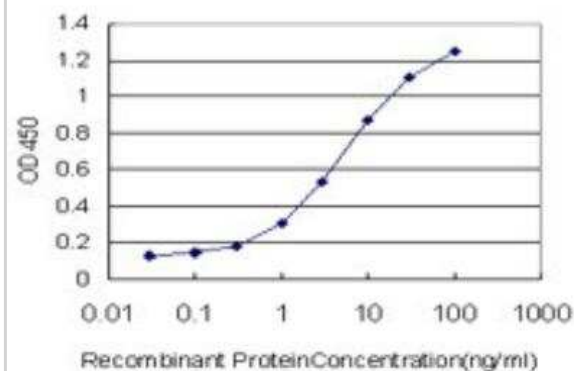
Western Blot: Smad3 Antibody (7F3) [H00004088-M02] - SMAD3 monoclonal antibody (M02), clone 7F3. Analysis of SMAD3 expression in human colon.



Proximity Ligation Assay: Smad3 Antibody (7F3) [H00004088-M02] - Analysis of protein-protein interactions between MAPK8 and SMAD3. HeLa cells were stained with anti-MAPK8 rabbit purified polyclonal 1:1200 and anti-SMAD3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



ELISA: Smad3 Antibody (7F3) [H00004088-M02] - Detection limit for recombinant GST tagged SMAD3 is approximately 0.1ng/ml as a capture antibody.



Publications

Nagel S, Ehrentraut S, Tomasch J et al. Ectopic Expression of Homeobox Gene NKX2-1 in Diffuse Large B-Cell Lymphoma Is Mediated by Aberrant Chromatin Modifications. PLoS One. 2013-04-29 [PMID: 23637834]



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Products Related to H00004088-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-30284	Recombinant Human Smad3 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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