

Anti-Smad3 Rabbit mAb

Purified Rabbit Monoclonal Antibody

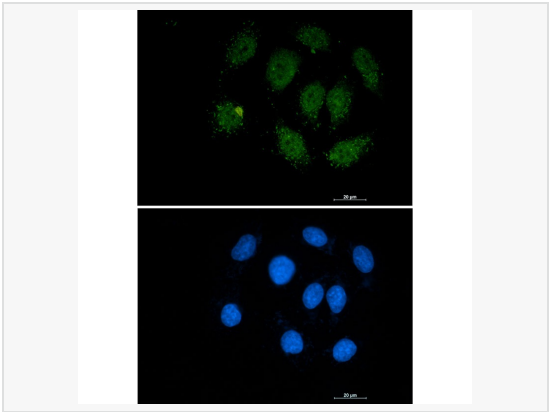
Catalog # R011766

Product Information

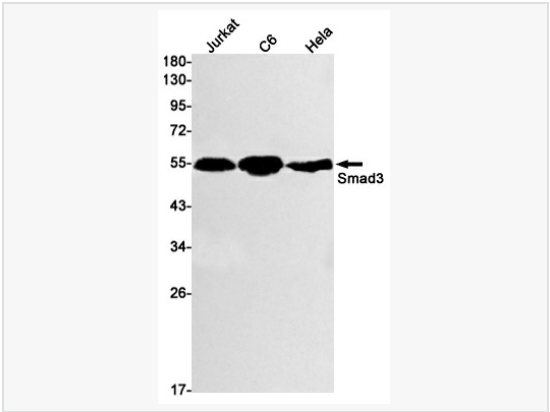
Application	ELISA, ICC/IF (Cell), WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P)
Reactivity	Human, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	19K90K45
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Smad3
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Smad3 antibody [19K90K45] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

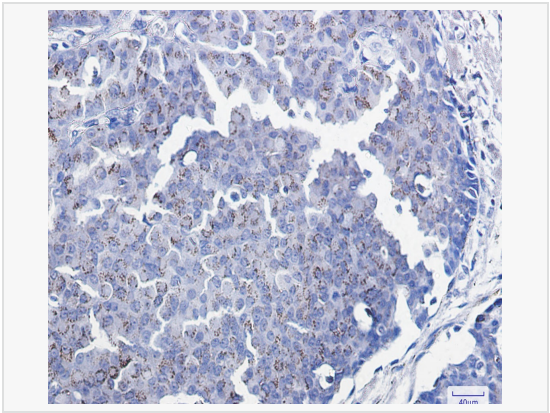
Synonyms	SMAD3, MADH3, Mothers against decapentaplegic homolog 3, MAD homolog 3, Mad3, Mothers against DPP homolog 3, hMAD-3, JV15-2, SMAD family member 3, SMAD 3, Smad3, hSMAD3.
Calculated MW	Calculated MW: 48 kDa; Observed MW: 52 kDa
Uniprot ID	P84022
Gene ID	4088
Background	Smad3 transcription factor phosphorylated and activated by TGF-beta-type receptors. A receptor-regulated Smad (R-smad). Binds directly to consensus DNA-binding elements in the promoters of target genes. In mouse required for establishment of the mucosal immune response and proper development of skeleton.



Immunocytochemistry analysis of Smad3 (green) in A549 using Smad3 antibody and DAPI (blue) .



Western blot analysis of Smad3 in Jurkat, C6, HeLa lysates using Smad3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Smad3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.