

Phospho-Smad3(S423/S425) Rabbit mAb

Catalog No: #13370

Package Size: #13370-1 50ul #13370-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

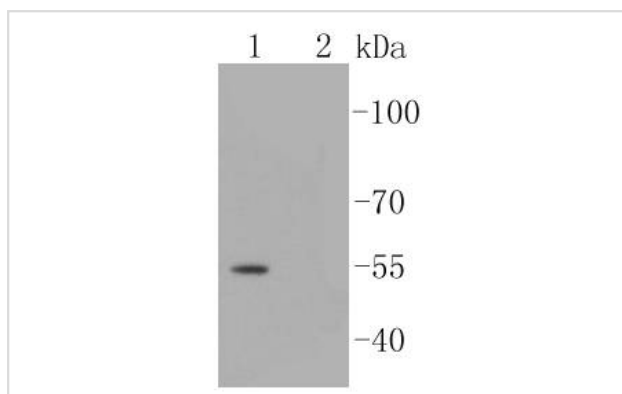
Description

Product Name	Phospho-Smad3(S423/S425) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	ST0493
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser423 and 425 of human Smad3.
Other Names	DKFZP586N0721 antibody DKFZp686J10186 antibody hMAD 3 antibody hMAD-3 antibody hSMAD3 antibody HSPC193 antibody HST17436 antibody JV15 2 antibody JV15-2 antibody JV152 antibody LDS1C antibody LDS3 antibody MAD (mothers against decapentaplegic Drosophila) homolog 3 antibody MAD homolog 3 antibody Mad homolog JV15 2 antibody Mad protein homolog antibody MAD, mothers against decapentaplegic homolog 3 antibody Mad3 antibody MADH 3 antibody MADH3 antibody MGC60396 antibody Mothers against decapentaplegic homolog 3 antibody Mothers against DPP homolog 3 antibody SMA and MAD related protein 3 antibody SMAD 3 antibody SMAD antibody SMAD family member 3 antibody SMAD, mothers against DPP homolog 3 antibody Smad3 antibody SMAD3_HUMAN antibody
Accession No.	Swiss-Prot#:P84022
Uniprot	P84022
GeneID	4088;
Calculated MW	55 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

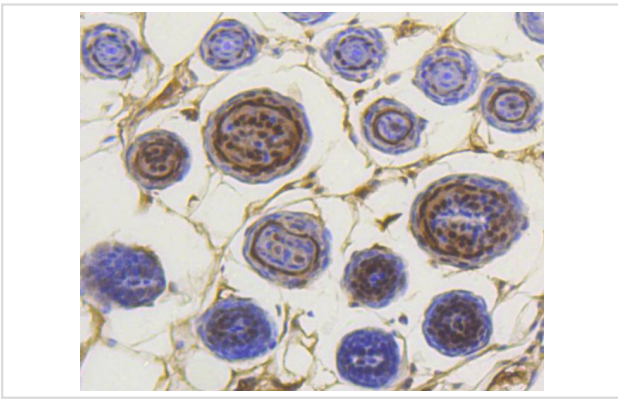
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200

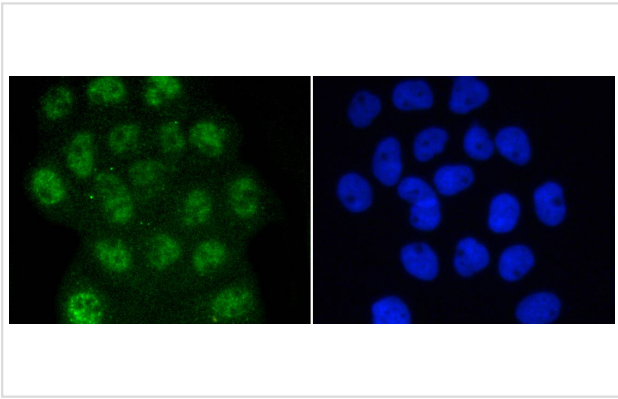
Images



Western blot analysis of Phospho-Smad3(S423/S425) on different lysates using anti-Phospho-Smad3(S423/S425) antibody at 1/1,000 dilution. Positive control: Lane 1: A431 cell lysates-treated with TGF β Lane 2: A431 cell lysates-untreated



Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Phospho-Smad3(S423/S425) antibody. Counter stained with hematoxylin.



ICC staining Phospho-Smad3(S423/S425) in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Smad proteins, the mammalian homologs of the *Drosophila* Mothers against dpp (Mad) have been implicated as downstream effectors of TGF β /BMP signaling. Smad1 (also designated Madr1 or JV4-1), Smad5 and mammalian Smad8 (also designated Smad9 or MADH6) are effectors of BMP2 and BMP4 function while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGF β and activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to activin/TGF β signaling by interfering with TGF β -mediated phosphorylation of other Smad family members. Human Smad3 is subject to phosphorylation by TGF β on specific amino acid residues, including Ser 208.

References

Note: This product is for in vitro research use only