

Product datasheet for **TA381748**

SMAD3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho T179
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around T179 of human Smad3 (NP_005893.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	25kDa/35kDa/43kDa/48kDa
Gene Name:	SMAD family member 3
Database Link:	Entrez Gene 4088 Human P84022

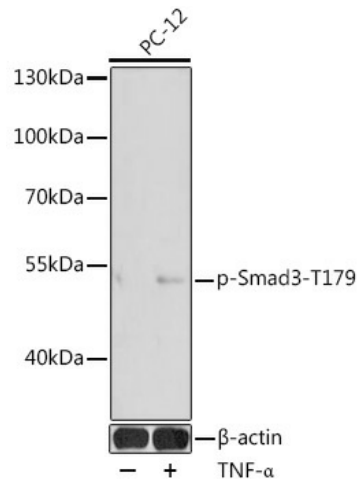
Background: The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling 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.



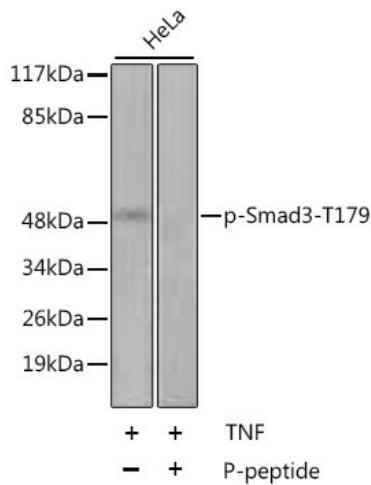
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Synonyms: DKFZp586N0721; DKFZp686J10186; hMAD-3; hSMAD3; HSPC193; HsT17436; JV15-2; Mad3; MADH3; MGC60396

Product images:



Western blot analysis of extracts of PC-12 cells, using Phospho-Smad2-S465/467/-Smad3-S423/425 pAb (TA381748) at 1:1000 dilution. PC-12 cells were treated by TNF- α (20 ng/mL) at 37°C for 30 minutes after serum-starvation overnight. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 30s.



Western blot analysis of extracts of HeLa cell line, using Phospho-Smad3-T179 antibody (TA381748). The lane on the right is treated with the antigen-specific peptide. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA.