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Product datasheet for TA392951

Phospho Smad2/3 (Thr8) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human Smad2/3 around the phosphorylation site of Threonine 8.
Specificity:	p-Smad2/3 (T8) polyclonal antibody detects endogenous levels of Smad2/3 protein only when phosphorylated at Thr8.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 55, 60 kDa
Database Link:	P84022/Q15796

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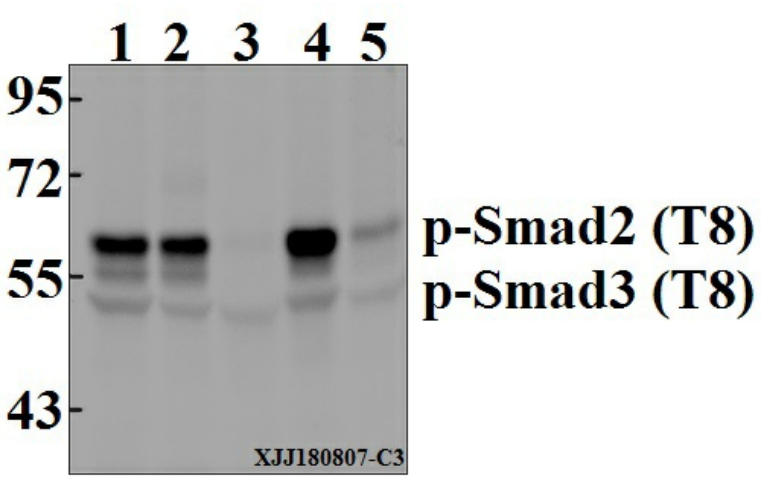
Background: Smad proteins, the mammalian homologs of the Drosophila mothers against decapentaplegic (Mad), have been implicated as downstream effectors of GFβ/BMP signaling. Smad1 (also designated Madr1 or JV4-1) and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGFβ 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/TGFβ signaling by interfering with TGFβ-mediated phosphorylation of other Smad proteins.

Synonyms: hMAD-2; hMAD-3; hSMAD2; hSMAD3; JV15-2; JV18-1; Mad-related protein 2; Mad3; MADH2; MADH3; MAD homolog 2; MAD homolog 3; MADR2; Mothers against decapentaplegic homolog 2; Mothers against decapentaplegic homolog 3; Mothers against DPP homolog 2; Mothers against DPP homolog 3; SMAD2; Smad2; SMAD 2; SMAD 3; SMAD3; Smad3; SMAD family member 2; SMAD family member 3

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of p-Smad2/3 (T8) pAb at 1:500 dilution Lane1:HEK293T whole cell lysate(40μg) Lane2:Hela whole cell lysate(40μg) Lane3:The Lung tissue lysate of Mouse(40μg) Lane4:SGC7901 whole cell lysate(40μg) Lane5:H9C2 whole cell lysate(40μg)