

Product datasheet for TA392658

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SMAD3 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: WB: 1:500~1:1000 **Reactivity:** Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic phosphopeptide derived from human Smad3 around the phosphorylation site of

Serine 213.

Specificity: p-Smad3 (S213) polyclonal antibody detects endogenous levels of Smad3 protein only when

phosphorylated at Ser213.

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: ~ 48, 55 kDa

Gene Name: SMAD family member 3

Database Link: Entrez Gene 4088 Human

P84022

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.



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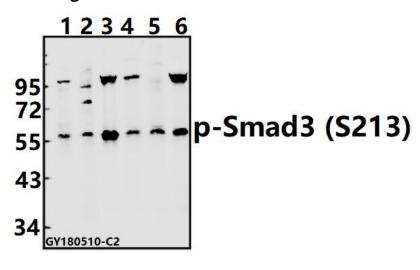
Synonyms: hMAD-3; hSMAD3; JV15-2; Mad3; MADH3; MAD homolog 3; Mothers against decapentaplegic

homolog 3; Mothers against DPP homolog 3; SMAD 3; SMAD3; Smad3; SMAD family member

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

Product images:



Western blot (WB) analysis of p-Smad3 (S213) pAb at 1:500 dilution Lane1:Hela whole cell lysate(40ug) Lane2:HEK293T whole cell lysate(40ug) Lane3:Panc1 whole cell lysate(20ug) Lane4:LOVO whole cell lysate(40ug) Lane5:C6 whole cell lysate(40ug) Lane6:AML-12 whole cell lysate(40ug)