

Smad3 (phospho-S423/S425) Rabbit monoclonal antibody

Catalog: BS9938M

Host: Rabbit

Reactivity: Human, Mouse

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) and Smad5 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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 55 kDa

Swiss-Prot:

P84022

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

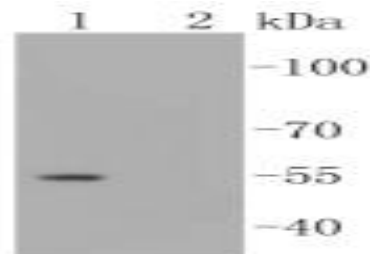
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of Smad3 only when phosphorylated at Ser423 and/or Ser425.

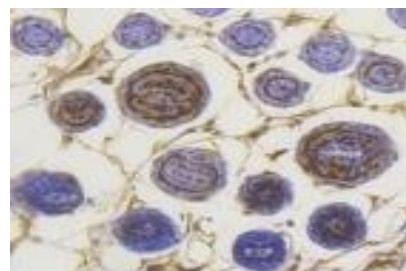
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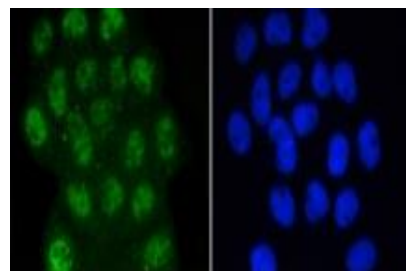
Western blot (WB) analysis of Smad3 (phospho-S423/S425) Rabbit mAb at 1:1000 dilution

Lane1:A431 whole cell lysate

Lane2:A431 whole cell lysate treated with TGF β



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 *100/PBS.

Note:

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

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