

Smad 5 (phospho-S463/465) Rabbit monoclonal antibody

Catalog: BS9889M

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

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

Molecular Weight:

~ 58 kDa

Swiss-Prot:

Q99717

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:2000

ICC/IHC: 1:50-1:200

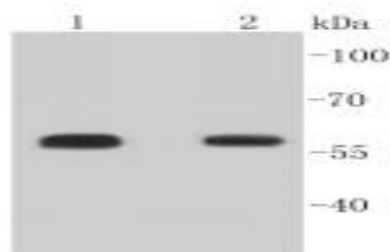
Storage&Stability:

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 human Smad 5 protein only when phosphorylated at Ser463 and Ser465.

DATA:



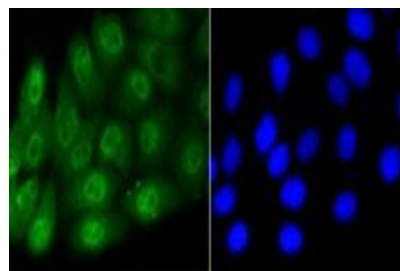
Western blot (WB) analysis of Smad 5 (phospho-S463/465) Rabbit mAb at 1:1000 dilution

Lane1: The brain tissue lysate of Mouse

Lane2: The brain tissue lysate of Rat



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Phospho-Smad5(S463/465) antibody. Counter stained with hematoxylin.



ICC staining Phospho-Smad5 (S463/465) in HepG2 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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