10320 Camino Santa Fe, Suite G
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Smad5 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10338

Specification

Smad5 Antibody - Product Information

Application	**WB**
Primary Accession	Q99717.1
Other Accession	AAB72180
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

Smad5 Antibody - Additional Information

Application & Usage	**Western blotting (1-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes ~60 kDa Smad5 of human, mouse, and rat origins. Reactivity to other species has not been tested.**

Other Names
DKFZp781C1895, DKFZp781O1323, DwFlow cytometry, JV5-1, MADH5

Target/Specificity
Smad5

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% sodium azide.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Smad5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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Smad5 Antibody - Protein Information

Smad5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Smad5 Antibody - Images

Smad5 Antibody - Background

Smad proteins, the mammalian homologs of the Drosophila Mothers against dpp (Mad), have been implicated as downstream effectors of TGFβ/BMP signaling. Smad1, Smad5, and Smad8 are effectors of BMP2 and BMP4 function while Smad2 and Smad3 are involved in TGF-β and activin-mediated growth modulation. Smad4 has been shown to mediate all of the above activities thro µgh 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 family members.