



Catalog: OM641760

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Anti-Smad1/5/9 antibody

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☐ 100 ul

Product profile

Product name	Anti-Smad1/5/9 antibody
Antibody Type	Primary Antibodies
Immunogen	Polypeptide

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	ELISA ,ICC/IF ,WB
Species Reactivity	Human Mouse Rat
Concentration	1 mg/ml
Purification	Protein A

Target Information

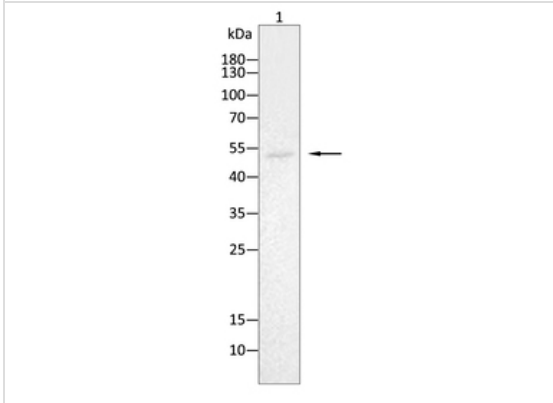
Gene Symbol	SMAD1
Gene Synonyms	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1
Gene Full Name	SMAD family member 1

Gene Summary	<p>The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein mediates the signals of the bone morphogenetic proteins (BMPs), which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. In response to BMP ligands, this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a complex with SMAD4, which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternativ</p>
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ely spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

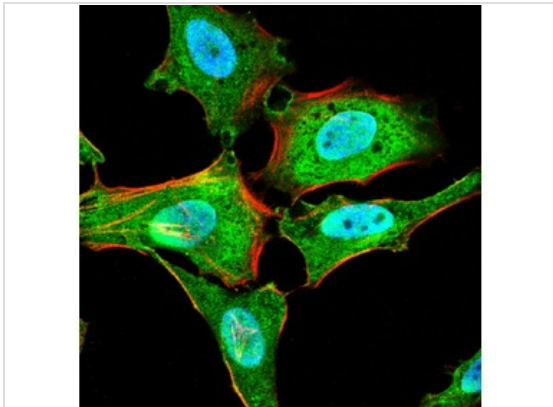
Molecular Weight(MW)	52 kDa
Source	Rabbit
Cellular Localization	Cytoplasm, Nucleus

Application



WB

Western blot analysis using Smad1 antibody against A549 (1) cell lysate.



ICC/IF

Immunofluorescence analysis of HeLa cells using Smad1 antibody(green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

Application Notes	WB: 1:200-1:2000 ICC/IF: 1:100-1:500
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Additional Information

Form	Liquid
Storage Instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle
Storage Buffer	Purified antibody in PBS with 0.05% sodium azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

