

Datasheet for ABIN5557527

anti-SMAD5 antibody (pSer463, pSer465)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	SMAD5
Binding Specificity:	pSer463, pSer465
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SMAD5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthesised phosphopeptide derived from human SMAD5 around the phosphorylation site of Ser463 + Ser465:IS(p-S)V(p-S).
Clone:	1B8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	SMAD5
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Target Details

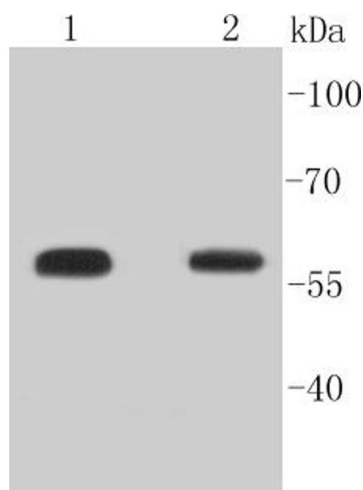
Alternative Name:	Smad5 (SMAD5 Products)
Background:	<p>Synonyms: DWFC, JV5-1, MADH5, Mothers against decapentaplegic homolog 5, MAD homolog 5, Mothers against DPP homolog 5, SMAD family member 5, SMAD 5, Smad5, hSmad5</p> <p>Background: Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD).</p>
Gene ID:	4090
UniProt:	Q99717

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>IHC-P 1:200-400</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

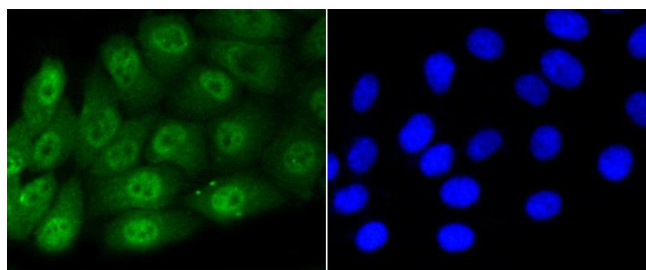
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



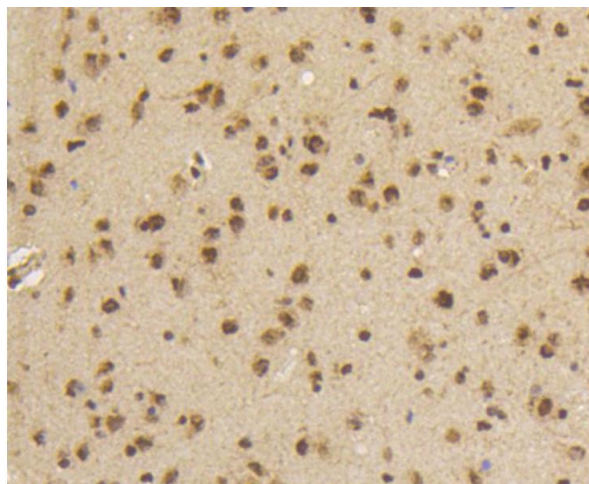
Western Blotting

Image 1. Lane 1: Mouse brain lysates, Lane 2: Rat brain lysates probed with Smad5(S463/465) (1B8) Monoclonal Antibody at 1:1000.



Immunofluorescence (Cultured Cells)

Image 2. HepG2 cells were stained with Smad5(S463/465) (1B8) Monoclonal Antibody at [1:200] incubated overnight at 4°C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded mouse brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer at 37°C for 20min, Antibody incubation with Smad5(S463/465) (1B8) Monoclonal Antibody at 1:50 overnight at 4°C, followed by a conjugated secondary and DAB staining.