

Product Name: Smad5 (4B10) Mouse Monoclonal Antibody
Catalog #: AMM03437

Summary

Production Name	Smad5 (4B10) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF,FC
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	SMAD5 DKFZp781C1895; DKFZp781O1323; Dwfc; hSmad 5; hSmad5; JV5 1; JV5-1; MAD homolog 5; MAD mothers against decapentaplegic homolog 5; MAD; mothers against decapentaplegic homolog 5; MADH 5; MADH5; Mothers against decapentaplegic homolog 5; Mothers against DPP homolog 5; MusMLP; SMA and MAD related protein 5; SMAD 5; SMAD family member 5; SMAD mothers against DPP homolog 5; Smad5; Smad5; SMAD5_HUMAN.
Alternative Names	
Gene ID	4090
SwissProt ID	Q99717

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Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 FC: 1/50-1/100
Molecular Weight	Calculated MW: 52 kDa; Observed MW: 60 kDa

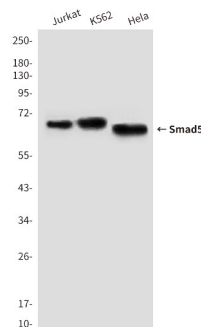
Background

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. Smad5 is a receptor-regulated Smad (R-Smad). Smad5 is required for normal development of the cardiovascular system in vivo; lack of the Smad5 gene results in apoptosis of cardiac myocytes. 3 Upregulation of Smad5 has been reported to mediate apoptosis of gastric epithelial cells induced by Helicobacter pylori infection. Tissue specificity: Ubiquitous.

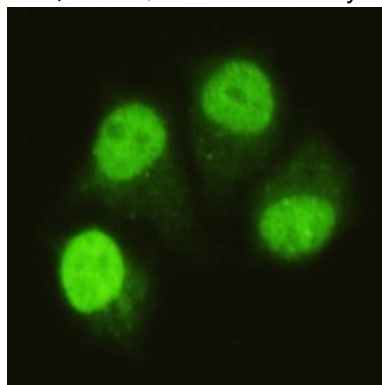
Research Area

Signal Transduction

Image Data

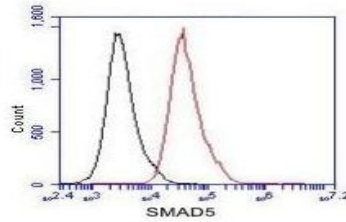


Western blot analysis of SMAD5 (Cterminus) in HeLa, Jurkat and K562 lysates using SMAD5 (Cterminus) antibody.



Immunocytochemistry analysis of Smad5 in HeLa cells using Smad5 antibody.

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Flow Cytometry analysis of Jurkat cells stained with SMAD5 (red). Black line histogram represents the isotype control, normal mouse IgG.

Note

For research use only.