

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

Summary

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

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG1 |
| Clonality | Monoclonal |
| 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 Purification |

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. |

Application

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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 |

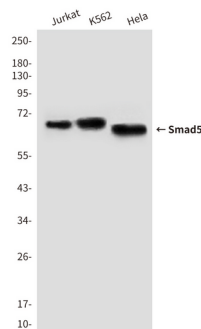
Background

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.

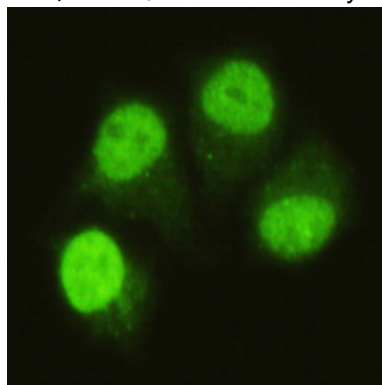
Research Area

Signal Transduction

Image Data

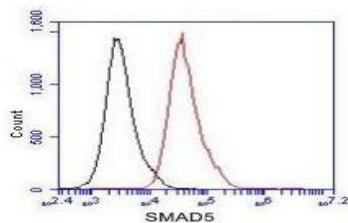


Western blot analysis of SMAD5 (Cterminus) in HeLa, Jurkat and K562 lysates using SMAD5 (Cterminus) antibody.



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.