

SMAD5 (4B10) MOUSE MAB

Cat.#: N261030

Product Name: Anti-Smad5 (4B10) Mouse Monoclonal Antibody

Synonyms: 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.

UNIPROT ID: Q99717

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.

Immunogen: Purified recombinant human SMAD5 (C-terminus) protein fragments expressed in E.coli.

Applications: WB, ICC/IF, FC

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 FC: 1/50-1/100

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 4B10-B10-B6

MW: Calculated MW: 52 kDa; Observed MW: 60 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human

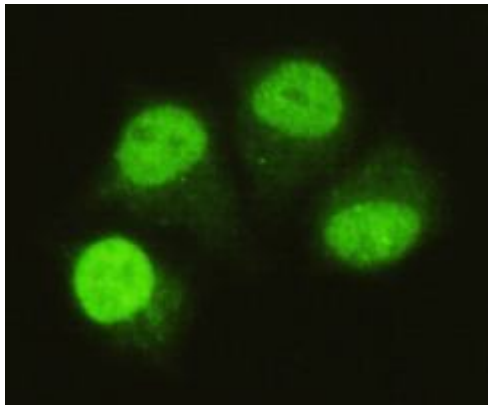
Conjugation: Unconjugated

Modification: Unmodified

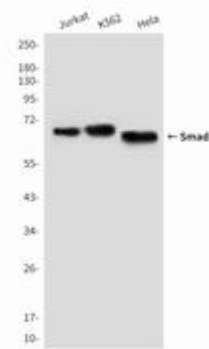
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

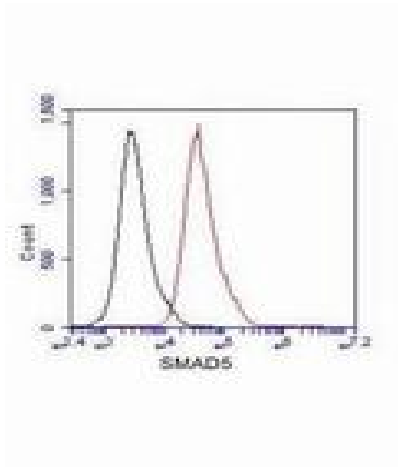
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of Smad5 in HeLa cells using Smad5 antibody.



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



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