

Product datasheet for **AM06562SU-N**

SMAD5 Mouse Monoclonal Antibody [Clone ID: 3H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3H9
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400. Immunofluorescence: 1/200 - 1/1000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human SMAD5 expressed in E. Coli.
Specificity:	Recognizes SMAD5
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	52 kDa
Gene Name:	SMAD family member 5
Database Link:	Entrez Gene 4090 Human Q99717



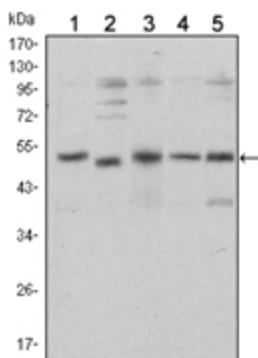
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Background:

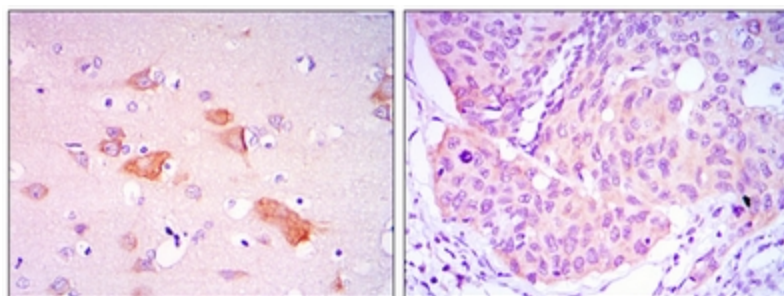
Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD). SMAD5 is required for normal development of the cardiovascular system *in vivo*; lack of the SMAD5 gene results in apoptosis of cardiac myocytes. 3 Upregulation of SMAD5 has been reported to mediate apoptosis of gastric epithelial cells induced by *Helicobacter pylori* infection. Tissue specificity: Ubiquitous.

Synonyms:

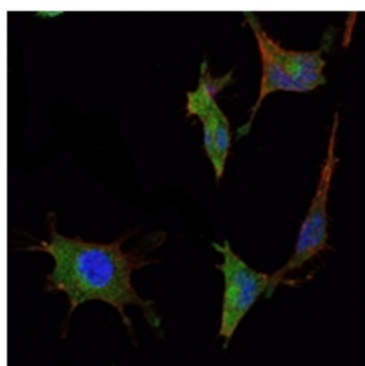
SMAD family member 5, SMAD 5, SMAD-5, MADH5, MAD homolog 5, JV5-1

Product images:


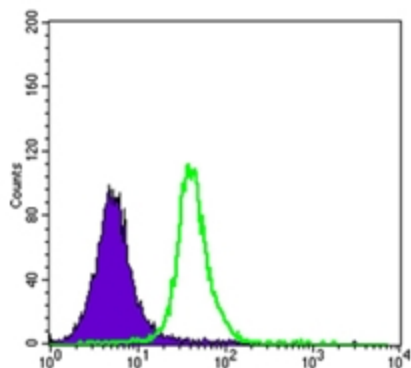
Western blot analysis using SMAD5 antibody Cat.-No AM06562SU-N against Hela (1), SK-N-SH (2), PC-12 (3), Jurkat (4), and K562 (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded brain tissues (left) and lung cancer tissues (right) using SMAD5 antibody Cat.-No AM06562SU-N with DAB staining.



Immunofluorescence analysis of NTERA-2 cells using SMAD5 antibody Cat.-No AM06562SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Jurkat cells using SMAD5 antibody Cat.-No AM06562SU-N (green) and negative control (purple).