

SMAD5 monoclonal antibody

Catalog: MB21418

Host: Mouse

Reactivity: Human, Rat

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.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

52kDa

Swiss-Prot:

Q99717

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000
FC:1/200 - 1/400

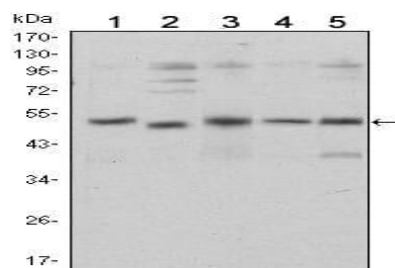
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

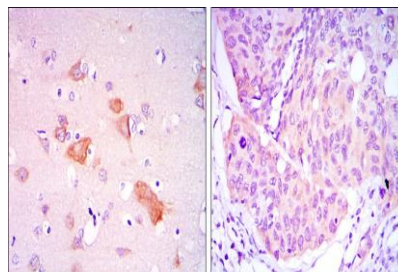
Isotype:

Mouse IgG1

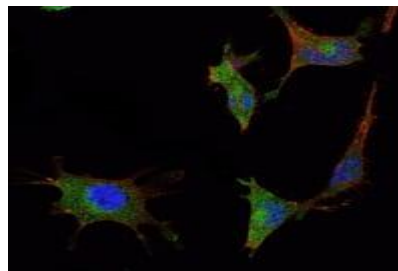
DATA:



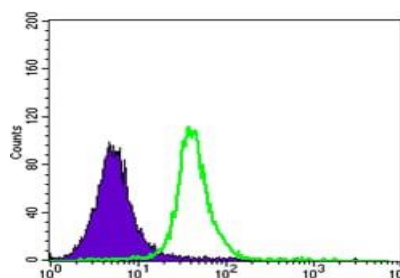
Western blot analysis using SMAD5 mouse mAb against HeLa (1), SK-N-SH (2), PC-12 (3), Jurkat (4), and K562 (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded human brain tissues (left) and lung cancer tissues (right) using SMAD5 mouse mAb with DAB staining.



Immunofluorescence analysis of NTERA-2 cells using SMAD5 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



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PRODUCT DATA SHEET

Bioworld Technology, Inc.

Flow cytometric analysis of Jurkat cells using SMAD5 mouse mAb (green) and negative control (purple).

Note:

For research use only, not for use in diagnostic procedure.

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