SMAD5 Mouse Monoclonal Antibody

E10-30150

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.

Catalog Number: E10-30150

Amount: 100µg/100µl

Clone Number: 3H9

Species: Mouse IgG1

MW: 52kDa

Aliases: Dwfc; JV5-1; MADH5; DKFZp781C1895; DKFZp781O1323; SMAD5

Entrez Gene: 4090

Immunogen: Purified recombinant fragment of human SMAD5 expressed in E. Coli.

Storage: Store at 4 °C after thawing. For long term storage, store at -20 °C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Rat

Tested Applications: WB, IHC, IF, FC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IHC: 1/200-1/1000, IF: 1/200-1/1000, FC: 1/200-1/400, ELISA: Propose dilution 1/10000.

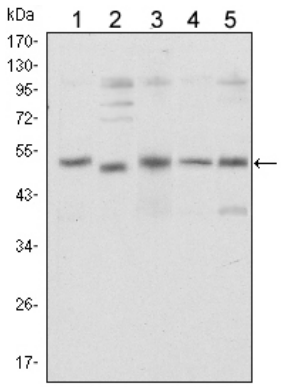

Figure 1: Western blot analysis using SMAD5 mouse mAb against Hela (1), SK-N-SH (2), PC-12 (3), Jurkat (4), and K562 (5) cell lysate.

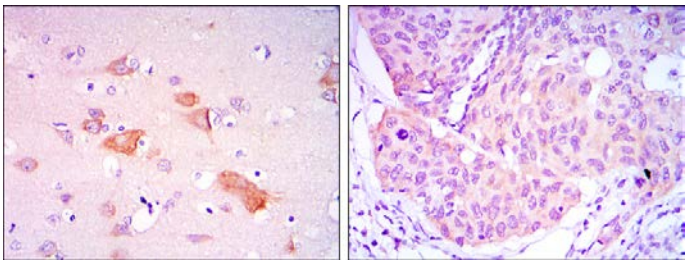

Figure 2: Immunohistochemical analysis of paraffin-embedded brain tissues (left) and lung cancer tissues (right) using SMAD5 mouse mAb with DAB staining.

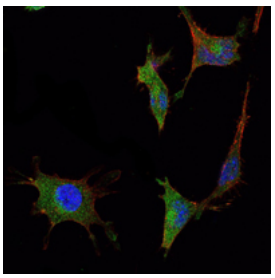

Figure 3: Immunofluorescence analysis of NTERA-2 cells using SMAD5 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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