

Smad5 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1137
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human Smad5 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Rat
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Mothers against decapentaplegic homolog 5
Synonyms	SMAD5; MADH5; Mothers against decapentaplegic homolog 5; MAD homolog 5; Mothers against DPP homolog 5; JV5-1; SMAD family member 5; SMAD 5; Smad5; hSmad5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants.

Recommended Dilution

FC: 1:200 - 1:400

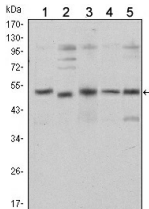
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

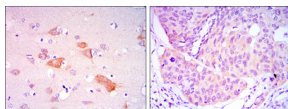
WB: 1:500 - 1:2000

Not yet tested in other applications.

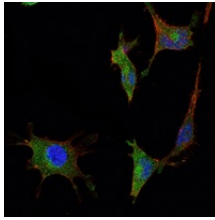
Images



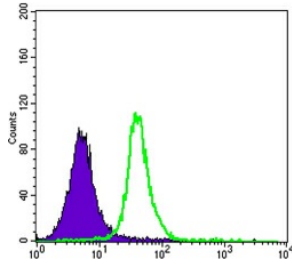
Western Blot analysis using Smad5 Monoclonal antibody against HeLa (1) SK-N-SH (2) PC-12 (3) Jurkat (4) and K562 (5) cell lysate.



Immunohistochemistry analysis of paraffin-embedded brain tissues (left) and lung cancer tissues (right) with DAB staining using Smad5 Monoclonal antibody.



Immunofluorescence analysis of NTERA-2 cells using Smad5 Monoclonal antibody (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 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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