

SMAD6 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2396
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human SMAD6 expressed in E. Coli.
Mol wt	53kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB
Concentration	N/A
Full name	N/A
Synonyms	MADH6;MADH7;HsT17432;SMAD6

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

Background

Antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members; has been shown to inhibit selectively BMP (bone morphogenetic proteins) signaling by competing with the co-SMAD SMAD4 for receptor-activated SMAD1. SMAD6 is an inhibitory SMAD (I-SMAD) or antagonistic SMAD. Binds to regulatory elements in target promoter regions. Tissue specificity: Ubiquitous in various organs, with higher levels in lung. Isoform B is up-regulated in diseased heart tissue.

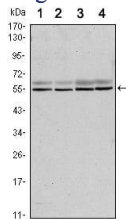
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using SMAD6 mouse mAb against A431 (1), A431 (2), HeLa (3) and Jurkat (4) cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.