

SMAD2 Monoclonal Antibody



MACO0353

Product Information

Size:

100ul

Reactivity:

Human

Source:

Mouse

Isotype:

IgG1

Applications:

ELISA, WB, ICC

Recommended dilutions:

WB:1:500-1:5000, ICC:1:50-1:200

Protein Background:

Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and, on formation of the SMAD2/SMAD4 complex, activates transcription. May act as a tumor suppressor in colorectal carcinoma. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.

Gene ID:

SMAD2

Uniprot

Q15796

Synonyms:

hMAD 2; hMAD-2; hSMAD2; JV18 1; JV18; JV18; JV18-1; JV181; MAD; MAD; MAD homolog 2; MAD Related Protein 2; Mad-related protein 2; MADH2; MADR2; MGC22139; MGC34440; Mothers Against Decapentaplegic Homolog 2; Mothers Against Decapentaplegic Homolog 2;

Immunogen:

Purified recombinant human SMAD2 protein fragments expressed in E.coli.

Storage:

Ascites

Product Images

N/A

N/A