Smad2 Monoclonal Antibody

Catalog No: #27195

Package Size: #27195-1 50ul   #27195-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com
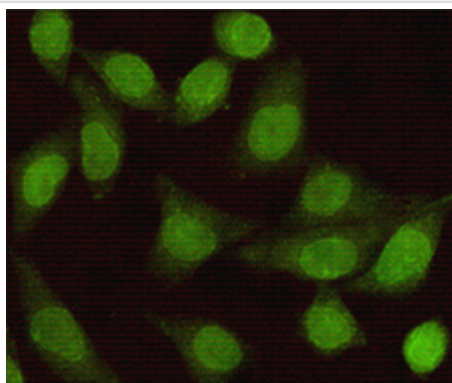
Description

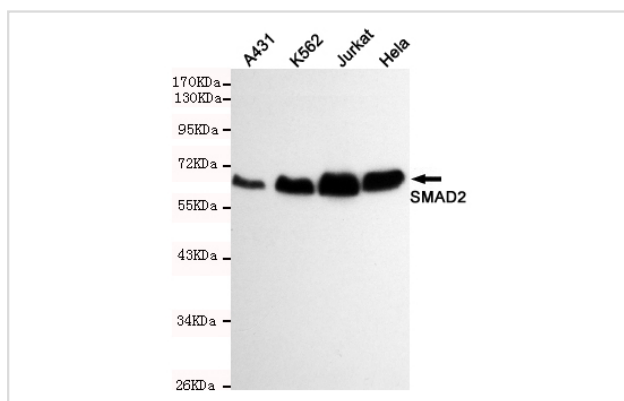|	
Product Name	Smad2 Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	6H5-E3-C11
Isotype	IgG1
Applications	WB ICC
Species Reactivity	Hu
Specificity	This antibody detects endogenous levels of SMAD2 and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human SMAD2 protein fragments expressed in E.coli.
Target Name	Smad2
Other Names	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;
Accession No.	Uniprot: Q15796 Gene ID: 4087
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GeneID	4087;
SDS-PAGE MW	60kd
Formulation	ascites
Storage	store at -20Λ C

Application Details

Western blotting: 1:500

Immunocytochemistry: 1:100

Images

Immunocytochemistry staining of HeLa cells fixed with 1% Paraformaldehyde and using anti-SMAD2 antibody (dilution 1:100).

Western blot detection of SMAD2 antibody in Hela,A431,Jurkat and K562 cell lysates using SMAD2 antibody (1:500 diluted).Predicted band size:60KDa.Observed band size:60KDa.

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.

Note: This product is for in vitro research use only