Smad2 Conjugated Monoclonal Antibody

Catalog No: #C27195

Package Size: #C27195-AF350 100ul #C27195-AF405 100ul #C27195-AF488 100ul #C27195-AF555 100ul #C27195-AF594 100ul #C27195-AF647 100ul #C27195-AF680 100ul #C27195-AF750 100ul #C27195-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Smad2 Conjugated Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of SMAD2 and does not cross-react with related proteins.
Immunogen Description	Purified recombinant human SMAD2 protein fragments expressed in E.coli.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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.	Swiss-Prot#: Q15796NCBI Gene ID:4087
Uniprot	Q15796
GeneID	4087;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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