Product Datasheet

Phospho-Smad2 (Ser250) Rabbit mAb

Catalog No: #52703

Package Size: #52703-1 50ul #52703-2 100ul

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

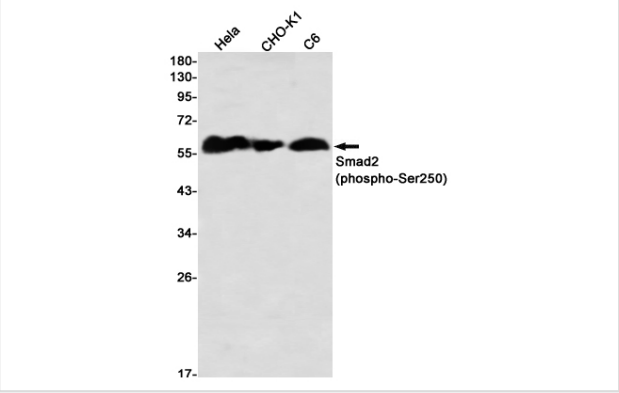
Description

Product Name	Phospho-Smad2 (Ser250) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-0D1
Isotype	IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic phosphopeptide corresponding to residues surrounding Ser250 of human Smad2
Conjugates	Unconjugated
Modification	Phosphorylated
Other Names	JV18; MADH2; MADR2; JV18-1; hMAD-2; hSMAD2
Accession No.	Swiss-Prot:Q15796GeneID:4087
Uniprot	Q15796
GeneID	4087
Calculated MW	Calculated MW:52,48 kDa,Observed MW:58,62 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of Smad2 (phospho-Ser250) in Hela,CHO-K1,C6 using Smad2 (phospho-Ser250) Rabbit mAb(1:1000 diluted)

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