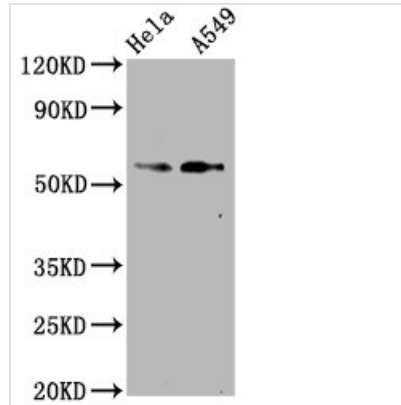




Phospho-SMAD2 (S250) Recombinant Monoclonal Antibody

Product Code	CSB-RA618017A250phHU
Abbreviation	Mothers against decapentaplegic homolog 2
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q15796
Immunogen	A synthesized peptide derived from Human Phospho-SMAD2 (S250)
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Mothers against decapentaplegic homolog 2, MAD homolog 2, Mothers against DPP homolog 2, JV18-1, Mad-related protein 2, hMAD-2, SMAD family member 2, SMAD 2, Smad2, hSMAD2, SMAD2, MADH2, MADR2
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	SMAD2
Clone No.	4D12
Image	

**Western Blot**

Positive WB detected in HeLa whole cell lysate, A549 whole cell lysate

All lanes Phospho-SMAD2 antibody at 1.07 μ g/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 58 KDa

Observed band size: 58 KDa

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.