

Anti-Phospho-SMAD2 (Ser250) Antibody (7J329)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7J329
Purification:	Affinity-chromatography

Applications

	Western Blot
Verified Activity:	-Positive WB detected in Hela whole cell lysate,A549 whole cell lysate -All lanes Phospho-SMAD2 antibody at 1.07µg/ml -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 58 KDa -Observed band size: 58 KDa
Application:	ELISA,WB
Recommended	WB:1:500-1:5000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human Phospho-SMAD2 (S250)
Antigen Species:	Human
Gene ID:	4087
Uniprot ID:	Q15796
Synonyms:	Phospho-SMAD2 (S250);SMAD2 (p-S250);SMAD2 (p-Ser250);p-SMAD2 (Ser250);p-SMAD2 (S250)
Biology Area:	Signal Transduction

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481