

Immunotag™ Phospho-Smad3 (Ser425) Antibody

Antibody Specification	
Catalog No.	ITA1131
Product Description	Immunotag™ Phospho-Smad3 (Ser425) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-Smad3 (Ser425)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Smad3 around the phosphorylation site of Serine 425
Specificity	Phospho-Smad3 (Ser425) Antibody detects endogenous levels of Smad3 only when phosphorylated at Serine 425
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SMAD3
Accession No.	P84022

Antibody Specification

Alternate Names	DKFZP586N0721; DKFZp686J10186; hMAD 3; hMAD-3; hSMAD3; HSPC193; HST17436; JV15 2; JV15-2; JV152; LDS1C; LDS3; MAD (mothers against decapentaplegic Drosophila) homolog 3; MAD homolog 3; Mad homolog JV15 2; Mad protein homolog; MAD, mothers against decapentaplegic homolog 3; Mad3; MADH 3; MADH3; MGC60396; Mothers against decapentaplegic homolog 3; Mothers against DPP homolog 3; SMA and MAD related protein 3; SMAD 3; SMAD; SMAD family member 3; SMAD, mothers against DPP homolog 3; Smad3; SMAD3_HUMAN;
Description	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 SMAD3/SMAD4 complex, activates transcription. Also can form a SMAD3/SMAD4/JUN/FOS complex at the AP-1/SMAD site to regulate TGF-beta-mediated transcription. Has an inhibitory effect on wound healing probably by modulating both growth and migration of primary keratinocytes and by altering the TGF-mediated chemotaxis of monocytes. This effect on wound healing appears to be hormone-sensitive. Regulator of chondrogenesis and osteogenesis and inhibits early healing of bone fractures. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	58kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.