

# Smad3 (Phospho-Ser423 + Ser425) Antibody FITC Conjugated

Catalog No: #C04697F

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Smad3 (Phospho-Ser423 + Ser425) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt ICC IF
Species Reactivity	HuB MsB RtB B B
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 380-425 425 derived from human Smad3 around the phosphorylation site of Ser423 425 [CS(p-S)V(p-S)]
Conjugates	FITC
Target Name	Smad3 Ser423 + Ser425
Other Names	LDS3; LDS1C; MADH3; JV15-2; HSPC193; HsT17436; Mothers against decapentaplegic homolog 3; MAD homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; SMAD family member 3; SMAD 3; Smad3; hSMAD3
Accession No.	Swiss-Prot#P84022NCBI Gene ID4088
Uniprot	P84022
GeneID	4088;
Excitation Emission	494nm 518nm
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

Flow-Cyt=1:50-200B ICC=1:50-200B IF=1:50-200

## 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 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.

---

Note: This product is for in vitro research use only