Ablumir
Built Around Immunology

Anti-Smad3 (phospho Ser423/Ser425) Rabbit mAb [26A55]

Catalog No.: A52310

Basic Information

Catalog No. (Cat.No.)	A52310
Host species	Rabbit
Reactivity	Human,Mouse
Applications	WB,IHC,IF,ELISA
Synonyms	Smad3 (phospho Ser423/Ser425),p-SMAD3(Ser423/425),SMAD3

Product Information

Target	Smad3 (phospho Ser423/Ser425)
Molecular Weight(Calculated)	48 kDa
Molecular Weight(Observed)	52 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	26A55
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Smad3 (phospho Ser423/Ser425)
Gene Name	*SMAD3*
Domain	NA
Background	Smad3 Ser423/Ser425 are C-terminal SSXS dual-phosphorylation sites directly catalyzed by TGF-β type-I receptor and serve as specific activation marker for Smad3 cascade. Upon TGF-β-ligand stimulation, type-I receptor kinase mediates dual-phosphorylation at Ser423/Ser425 of Smad3, inducing conformational switch, Smad4 heterocomplex assembly and nuclear import to drive transcriptional programs underlying anti-proliferation, fibrosis and EMT. This C-terminal modification provides direct readout for TGF-β-signal initiation.