Ablumir
Built Around Immunology

Anti-Smad2 (phospho Ser465/Ser467) Rabbit mAb [38B86]

Catalog No.: A52307

Basic Information

Catalog No. (Cat.No.)	A52307
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IF,ELISA
Synonyms	Smad2 (phospho Ser465/Ser467),p-SMAD2(Ser465/467),SMAD2

Product Information

Target	Smad2 (phospho Ser465/Ser467)
Molecular Weight(Calculated)	52 kDa
Molecular Weight(Observed)	60 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	38B86
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

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Product Usage Information

Application	Dilution
WB	1:500-1:2000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Smad2 (phospho Ser465/Ser467)
Gene Name	*SMAD2*
Domain	NA
Background	SMAD2 (Smad2) Ser465/Ser467 constitute C-terminal SSXS activating motif directly phosphorylated by TGF-β type-I receptor and serve as canonical Smad2-activation readout. After ligand-triggered TGF-β-receptor assembly, type-I receptor kinase catalyzes dual-phosphorylation at Ser465/Ser467, inducing conformational rearrangement of Smad2, promoting Smad4 heterocomplex formation and nuclear import to initiate transcriptional programs mediating anti-proliferation, EMT and extracellular-matrix production.