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Anti-Smad2 (phospho Ser250) Rabbit mAb [96D77]

Catalog No.: A52305

Basic Information

Catalog No. (Cat.No.)	A52305
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Smad2 (phospho Ser250),p-SMAD2(Ser250),SMAD2

Product Information

Target	Smad2 (phospho Ser250)
Molecular Weight(Calculated)	58 kDa
Molecular Weight(Observed)	58 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	96D77
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	1:1000-1:5000
IHC	1:100-1:500
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Smad2 (phospho Ser250)
Gene Name	*SMAD2*
Domain	NA
Background	SMAD2 (Smad2) is TGF-β-pathway receptor-activated R-Smad. Ser250 locates within regulatory region of Smad2. Its phosphorylation occurs independent of canonical TGF-β-receptor-driven C-terminal activation motif and is catalyzed by diverse kinases. This modification fine-tunes TGF-β output by modulating Smad2 stability, nucleocytoplasmic shuttling and co-regulator interactions. It is functionally distinct from receptor-mediated activating phosphorylation at Ser465/467. Ser250 phosphorylation mediates pathway crosstalk integrating MAPK and other upstream cues.