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Anti-Smad2/3 (phospho Thr8) Rabbit mAb [83C15]

Catalog No.: A52308

Basic Information

Catalog No. (Cat.No.)	A52308
Host species	Rabbit
Reactivity	Human,Mouse,Rat,Pig
Applications	WB,IP,IF,ELISA
Synonyms	Smad2/3 (phospho Thr8),p-SMAD2/3(Thr8),SMAD2,SMAD3

Product Information

Target	Smad2/3 (phospho Thr8)
Molecular Weight(Calculated)	48 kDa
Molecular Weight(Observed)	62 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	83C15
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	1:2000-1:10000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Smad2/3 (phospho Thr8)
Gene Name	*SMAD2*, *SMAD3*
Domain	NA
Background	Thr8 of Smad2/3 locates at N-terminal MH1 domain and is not part of TGF-β-receptor-driven C-terminal activation motif. It is phosphorylated by kinases including MAPK and CDK. Thr8 phosphorylation modulates Smad2/3 nuclear export, DNA-binding capacity and protein stability, mediating crosstalk between TGF-β cascade and cell-cycle / MAPK pathways. It fine-tunes Smad-dependent transcription with context-dependent stimulatory or repressive outcomes.