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Anti-RSK2 Rabbit mAb [06F72]

Catalog No.: A52296

Basic Information

Catalog No. (Cat.No.)	A52296
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Ribosomal protein S6 kinase B1,p90RSK2,RSK2

Product Information

Target	RSK2
Molecular Weight(Calculated)	84 kDa
Molecular Weight(Observed)	84 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	06F72
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
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Ribosomal protein S6 kinase-2
Gene Name	*RPS6KA3*
Domain	NA
Background	RPS6KA3 (RSK2, ribosomal S6 kinase 2) is p90RSK-family isoform, dual-domain serine-threonine kinase downstream of ERK mediating proliferation, transcriptional control and stress responses. RSK2 possesses N-terminal and C-terminal kinase domains. ERK-dependent phosphorylation activates C-terminal domain which in turn triggers N-terminal-domain activation. Active RSK2 phosphorylates substrates such as CREB and c-Fos to regulate immediate-early-gene transcription. It plays essential roles in bone development; germline RSK2 loss-of-function causes Coffin-Lowry syndrome. Dysregulated RSK2 activation promotes tumor proliferation and invasion.