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Anti-S6K1 Rabbit mAb [82B48]

Catalog No.: A52259

Basic Information

Catalog No. (Cat.No.)	A52259
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	S6K1,p70 S6 kinase-1,p70-S6K,S6K1,S6K alpha

Product Information

Target	S6K1
Molecular Weight(Calculated)	59 kDa
Molecular Weight(Observed)	70 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	82B48
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	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Ribosomal protein-S6 kinase-1
Gene Name	*RPS6KB1*
Domain	NA
Background	S6K1 (RPS6KB1, ribosomal protein S6 kinase beta-1) is an AGC-family serine-threonine kinase acting downstream of mTOR to control protein translation, cell growth and proliferation. S6K1 serves as major substrate of mTORC1. mTORC1-dependent phosphorylation activates S6K1, which further phosphorylates ribosomal protein S6 to boost translation of 5'-TOP-containing mRNAs, enhance ribosome biogenesis and drive cell hypertrophy. S6K1 also triggers negative-feedback phosphorylation of IRS1 to dampen PI3K signaling for pathway homeostasis.