

p70 S6 Kinase Conjugated Antibody

Catalog No: #C56062



Package Size: #C56062-AF350 100ul #C56062-AF405 100ul #C56062-AF488 100ul

#C56062-AF555 100ul #C56062-AF594 100ul #C56062-AF647 100ul

#C56062-AF680 100ul #C56062-AF750 100ul #C56062-Biotin 100ul

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Description

Product Name	p70 S6 Kinase Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Species Reactivity	Human Mouse Rat
Specificity	p70 S6 Kinase Antibody detects endogenous levels of total p70 S6 Kinase
Immunogen Description	A synthesized peptide derived from human p70 S6 Kinase
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EC 2.7.11.1; KS6B1; P70-S6K; RPS6KB1; Ribosomal protein S6 kinase, Ribosomal protein S6 kinase 70kDa polypeptide 1; S6K1; kinase p70S6K; p70-S6K;
Accession No.	Uniprot:P23443
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Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	70kDa
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Product Description

p70 S6 kinase is a mitogen activated Ser/Thr protein kinase that is required for cell growth and G1 cell cycle progression. Phosphorylation of Thr229 in the catalytic domain and Thr389 in the linker domain are most critical for kinase function. Phosphorylation of Thr389, however, most closely correlates with p70 kinase activity in vivo. Prior phosphorylation of Thr389 is required for the action of phosphoinositide 3-dependent protein kinase 1 (PDK1) on Thr229.

Note: This product is for in vitro research use only