

## 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   |
| Uniprot               | P23443   |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>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

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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.

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Note: This product is for in vitro research use only