

p70 S6 Kinase Substrates Antibody Sampler Kit

Cat# AK0213

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

p70 S6 kinase is a mitogen activated Ser/Thr protein kinase that is required for cell growth and G1 cell cycle progression. p70 S6 kinase phosphorylates the S6 protein of the 40S ribosomal subunit and is involved in translational control of 5' oligopyrimidine tract mRNAs. Important S6 ribosomal protein phosphorylation sites include several residues (Ser235, Ser236, Ser240, Ser244) located within a small, carboxy-terminal region of the S6 protein. p70 S6 kinase has been shown to phosphorylate eIF4B at the rapamycin-sensitive site Ser422 in vivo, and a Ser422Ala mutant of eIF4B shows diminished activity in an in vitro translation assay. Phosphorylation of eEF2K by p70 S6 kinase and p90RSK leads to inactivation of eEF2K, facilitating the dephosphorylation of eEF2 and thus promoting translation.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340663	RPS6 Polyclonal Antibody	20µL	WB, IF, ELISA	Human, Mouse, Rat	Rabbit
A340292	Phospho-eIF4B (Ser422) Polyclonal Antibody	20µL	WB, IHC, IF, ELISA	Human, Mouse	Rabbit
A340333	Phospho-eEF2K (Ser366) Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Rat	Rabbit
A340382	Phospho-p70 S6 kinase alpha (Ser418) Polyclonal Antibody	20µL	WB, IHC-p, IF, ELISA	Human, Mouse, Rat	Rabbit
A340615	p70 S6 kinase alpha Polyclonal Antibody	20µL	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340272	Phospho-p70 S6 kinase alpha (Ser447) Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340273	Phospho-p70 S6 kinase alpha (Thr229) Polyclonal Antibody	20µL	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A340345	Phospho-p70 S6 kinase alpha (Ser371) Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120µL	WB, ELISA	Rabbit	Goat

PRODUCT USE LIMITATION

These products are intended for research use only.