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p70 S6 Kinase (Phospho Thr389) Rabbit mAb (AR1940)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	59kDa (Calculated) 70kDa (Observed)

Recommended Dilution Ratios

WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	p70 S6 Kinase (Phospho Thr389) Monoclonal Antibody detects endogenous levels of p70 S6 Kinase around the phosphorylation site of Thr389 protein. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GFtYV

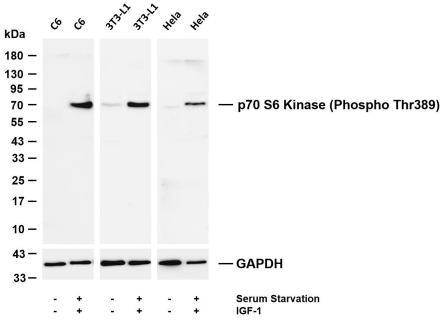
Target Information

Gene name	RPS6KB1 STK14A P70S6K
Protein Name	Ribosomal protein S6 kinase beta-1，p70 S6 Kinase (Thr389)

Organism	Gene ID	UniProt ID
Human	6198	P23443
Mouse	72508	Q8BSK8
Rat	83840	P67999

Cellular Localization	Cell junction, synapse, synaptosome. Mitochondrion outer membrane. Mitochondrion. Colocalizes with URI1 at mitochondrion.; [Isoform Alpha I]: Nucleus. Cytoplasm.; [Isoform Alpha II]: Cytoplasm.
Tissue specificity	Widely expressed.

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-p70 S6 Kinase (Phospho Thr389) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: C6

Lane 2: C6 was starved with serum for 24 hours and treated with IGF-1(100ng/mL) for 20 minutes

Lane 3: 3T3-L1

Lane 4: 3T3-L1 was starved overnight with serum and treated with IGF-1(100ng/mL) for 20 minutes

Lane 5: Hela

Lane 6: Hela was starved overnight with serum and treated with IGF -1(100ng/mL) for 20 minutes

Predicted band size: 59kDa

Observed band size: 70kDa

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