

Rabbit p70S6 Kinase Polyclonal Antibody

p70S6 Kinase antibody

CATALOG # AAA107901	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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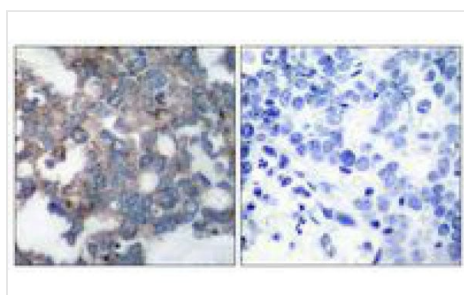
PRODUCT SYNONYMS

p70S6 Kinase; Polyclonal Antibody; p70S6 Kinase antibody; Polyclonal p70S6 Kinase; Anti-p70S6 Kinase; pS6 Kinase-70; pS6 Kinase 70; p70S6K; Phospho Ser424; anti-p70S6 Kinase antibody

PRODUCT SPECIFICATIONS

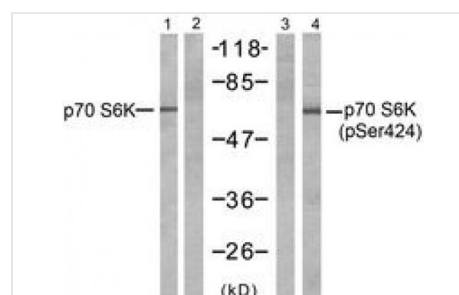
Host	Rabbit
Clonality	Polyclonal
Purity/Purification	p70S6 Kinase antibody was purified by immunoaffinity chromatography.
Form/Format	Supplied in liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-p70S6 Kinase antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	P70S6 kinase is in a signaling pathway that includes mTOR (the mammalian target of rapamycin). mTOR can be activated in distinct ways, thereby activating p70S6K. For example, branched chain amino acids such as leucine are sufficient to activate mTOR, resulting in an increase in p70S6K phosphorylation (and thereby activating it). mTOR is also in a pathway downstream of the kinase Akt. Akt is typically activated upon stimulation of a cell with a growth factor (such as IGF-1). Akt then activates mTOR (by inhibiting the Tsc complex), leading to p70S6K activation.
Cross-Reactivity	Human, Mouse, Rat
Immunogen	p70S6 Kinase antibody was raised in Rabbit using the peptide sequence around phosphorylation site of serine 424 (P-V-S(p)-P-V) derived from Human p70 S6 Kinase as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



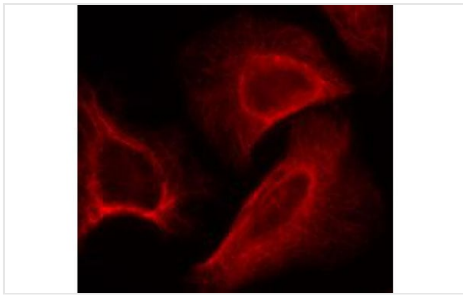
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase (Phospho-Ser424) antibody (left) or the same antibody preincubated with blocking peptide (right)



WB (Western Blot)

Western Blot analysis of extracts from MCF cells untreated or treated with EGF using p70 S6 Kinase (Phospho-Ser424) antibody



IF (Immunofluorescence)

Immunohistochemical analysis of methanol-fixed HeLa cells showing cytoplasmic, centrosomal and nuclear staining using p70 S6 Kinase (Phospho-Ser424) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-p70S6 Kinase antibody	Rabbit polyclonal p70S6 Kinase antibody
Product Categories/Family for anti-p70S6 Kinase antibody	Proteases ; Inhibitors ; & Enzymes

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p70s6-kinase-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/107901>