



Product Specification Sheet

P70-S6K1 antibody

□ Cat # P70S6-A

Rabbit anti-p70-S6K1 antibody

SIZE: 100 µg

F4/80 is an approximately 160 kDa cell surface glycoprotein member of the EGF-TM7 family of proteins. Expression of F4/80 is heterogenous and modulated during macrophage maturation and activation. F4/80 is expressed in a wide range of mature tissue macrophages and also in a subpopulation of dendritic cells.

Source of Antigen or Antibodies

Uniprot: P23443

Host: Rabbit

Clonality: Polyclonal

Purification: Ammonium sulfate followed by peptide affinity chromatography

Immunogen: 17 amino acid synthetic peptide derived from the within region 300-350 of Human p70-S6K1

Species reactivity: Human

Cross reactivity: 100% Non-Human Primate, Mouse, Rat, Bovine, Xenopus laevis, Horse, Dog, Goat, Sheep, Pig, Cat, Danio rerio, and more.

Subcellular Location: Nucleus, Cytoplasm, Mitochondrion

Alternative names: S6K-beta-1, S6K1, 70 kDa ribosomal protein S6 kinase 1, p70-S6K1

Recommended Secondary Antibody: Goat anti-Rabbit IgG-HRP (ADI cat#20320)

Form & Storage of Antibodies

□ **Affinity pure IgG Solution**

Concentration: 0.5 mg/ml Volume: 200 µl
Supplied in PBS, pH 7.4 + 0.1% BSA
The antibody can be made available carrier free or conjugated to HRP, Biotin, or FITC on request

□ **Lyophilized powder**

Lyophilized from a formulation containing PBS, pH 7.4+3% Trehalose. Reconstitute powder in 200 µl PBS, 0.05% tween-20, and 0.1% BSA.

Storage:

Short-term: 4°C for 1-3 months

Long-term: at -20°C or below in suitable aliquots after reconstitution for 1 year. Do not expose to multiple freeze/thaw cycles or store working, diluted solutions. Glycerol may be added to a final concentration of 50% and antibodies can be stored un-aliquoted at -20°C.

Recommended Usage

Western blotting: 0.5-2.0 µg/ml
Expected molecular weight: 70 kDa

Immunohistochemistry: 1-10 µg/ml. QC tested using 10 mM sodium citrate pH 6, antigen retrieval buffer. The antibody may work better with no retrieval or different retrieval solutions.

The above concentrations are a *suggestion*, user's must optimize their assay based on their own conditions. The antibody may work in other applications such as Flow Cytometry or Immunocytochemistry. These methods have not been tested by ADI.

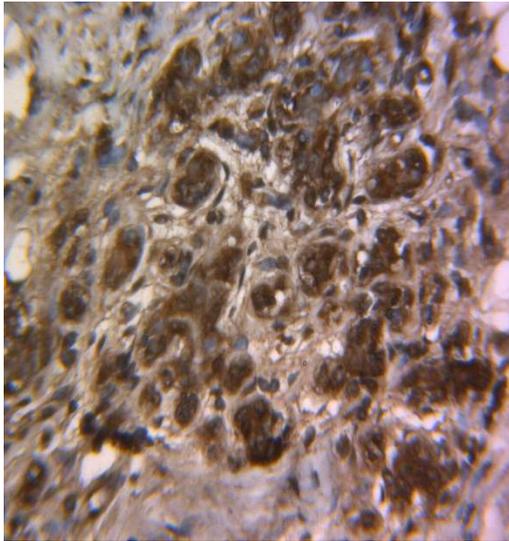
**This product is for In vitro research use only.*

Related materials available from ADI

Catalog#	Description
AKT1-A	Rabbit Anti-Human AKT1 antibody
AKT1-C	Recombinant AKT1 control for Western blotting
MTOR11-A	Rabbit anti-Human mTOR antibody
BCL11-A	Rabbit Anti-Human BCL-2 antibody
BCL12-A	Rabbit Anti-Human BCL-2 antibody
BCL21-A	Rabbit Anti-Mouse BCL-2 antibody
BCL2-C	Recombinant BCL-2 control for Western blotting

P70S6-A

190829IA



Immunohistochemistry: FFPE Human breast carcinoma (High expression) and Liver (low expression) were heated for 20 minutes at 60°C then deparaffinized. Antigen retrieval was performed for 10 minutes at 95°C in a microwave using 10 mM pH 6, sodium citrate buffer. The slide was then cooled for 20 minutes at room temperature before being blocked for 30 minutes with 2.5% normal goat serum. **P70S6-A** was diluted to 5 µg/ml in TBST+0.1% BSA and incubated overnight at 4°C. The slides were then washed twice and incubated with 3% hydrogen peroxide for 10 minutes to quench endogenous peroxidase. The slide was washed then incubated with Goat anti-Rabbit IgG HRP polymer detection reagent for 30 minutes at room temperature. The slide was washed twice, incubated with DAB for 3 minutes, washed with distilled water, then counterstained for 1 minute with Gil's II Hematoxylin before being cover-slipped.