



# Phospho-p70 S6 Kinase 1-T389 Mouse mAb

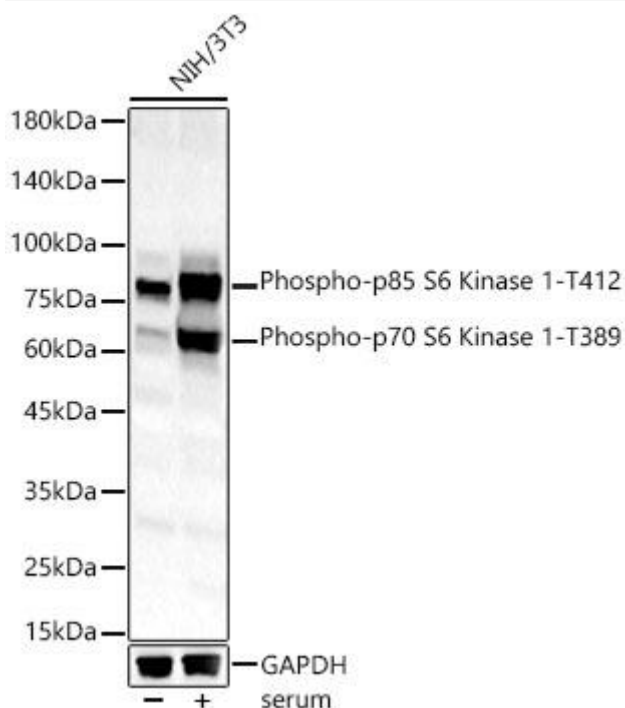
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No                | YP-mAb-18537                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype                   | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applications              | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Name              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen                 | A synthetic phosphorylated peptide around T389 of human P70 S6K (NP_003152.1).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formulation               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purification              | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dilution                  | WB 1:500 - 1:1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration             | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity                    | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Storage Stability         | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms                  | S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha; Phospho-p70 S6 Kinase 1-T389                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Observed Band             | 70kDa/85kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cell Pathway              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Specificity        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Function                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Background                | This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. |
| matters needing attention | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-p70 S6 Kinase 1-T389 Mouse pAb (AP0564) at 1:1000 dilution. NIH/3T3 cells were treated by 10% FBS at 37°C for 30 minutes after serum starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.