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# RPS6 Rabbit mAb

Catalog # AP76035

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, FC |
| **Primary Accession** | P62753 |
| **Reactivity** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Purified |
| **Calculated MW** | 28681 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 6194 |
| **Other Names** | RPS6 |
| **Dilution** | WB~~1:500-1:1000 IHC-P~~N/A FC~~1:200-1:500 |
| **Format** | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

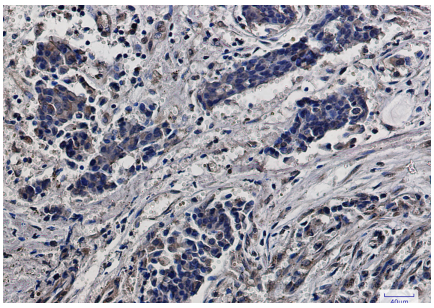
## Protein Information

| | |
|---|---|
| **Name** | RPS6 {ECO:0000303\|PubMed:29563586, ECO:0000312\|HGNC:HGNC:10429} |
| **Function** | Component of the 40S small ribosomal subunit (PubMed: 23636399, PubMed:8706699). Plays an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA (PubMed:17220279). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797). |
| **Cellular Location** | Cytoplasm. Nucleus, nucleolus |

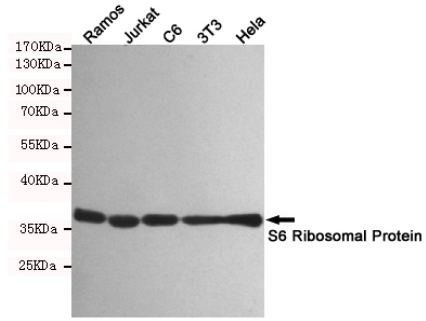
## Background

May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.

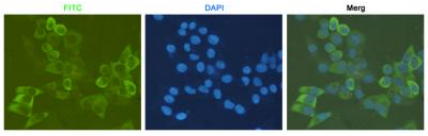
## Images



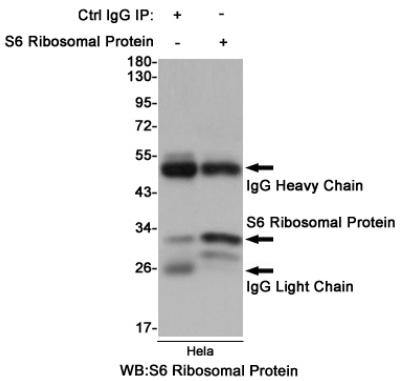
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using RPS6 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



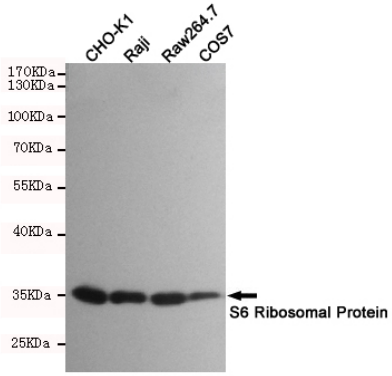

Western blot analysis of S6 Ribosomal Protein in Ramos, Jurkat, C6, 3T3 and Hela lysates using S6 Ribosomal Protein antibody.




Immunocytochemistry analysis of HeLa using antiS6 Ribosomal Protein antibody.




Immunoprecipitation analysis of Hela cell lysates using S6 Ribosomal Protein antibody.




Western blot analysis of S6 Ribosomal Protein in CHO-K1, Raji, Raw264.7 and COS7 lysates using S6 Ribosomal Protein anibody.

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