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# Ribosomal Protein S6 Polyclonal Antibody

Catalog # AP72321

## Product Information

| | |
|---|---|
| **Application** | WB, IF |
| **Primary Accession** | P62753 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 28681 |

## Additional Information

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|---|---|
| **Gene ID** | 6194 |
| **Other Names** | RPS6; OK/SW-cl.2; 40S ribosomal protein S6; Phosphoprotein NP33 |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

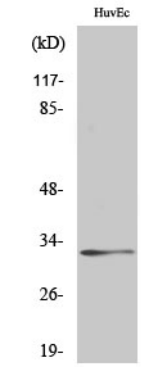
## Protein Information

| | |
|---|---|
| **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 |

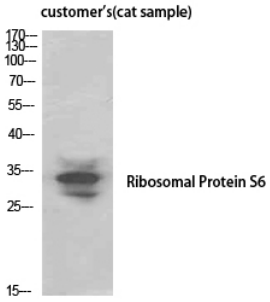
## Background

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

## Images




Western Blot analysis of various cells using Ribosomal Protein S6 Polyclonal Antibody diluted at 1：1000




Western Blot analysis of customer's(cat sample) using Ribosomal Protein S6 Polyclonal Antibody. Antibody was diluted at 1:1000