

**RPS5 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50709****Specification**

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**RPS5 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P46782</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 23 KDa                 |
| Antigen Region    | 112-136                |

**RPS5 Antibody - Additional Information****Gene ID** 6193**Other Names**

40S ribosomal protein S5, 40S ribosomal protein S5, N-terminally processed, RPS5

**Dilution**

WB~~1:1000

**Format**Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

**RPS5 Antibody - Protein Information****Name** RPS5 ([HGNC:10426](#))**Function**

Component of the small ribosomal subunit (PubMed:<a href="http://www.uniprot.org/citations/23636399" target="\_blank">23636399</a>). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:<a href="http://www.uniprot.org/citations/23636399" target="\_blank">23636399</a>). 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:<a href="http://www.uniprot.org/citations/34516797" target="\_blank">34516797</a>).

**Cellular Location**

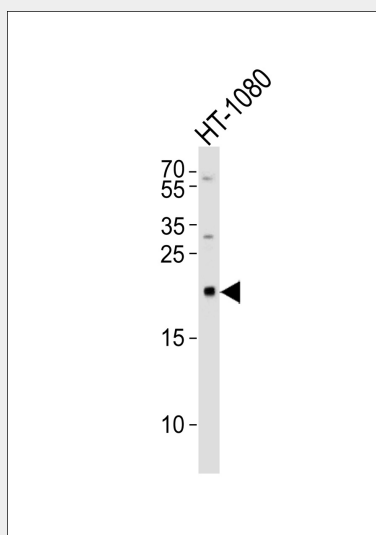
Cytoplasm. Nucleus, nucleolus

## RPS5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## RPS5 Antibody - Images



Western blot analysis of lysate from HT-1080 cell line, using RPS5 Antibody (AP50709). AP50709 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

## RPS5 Antibody - References

- Frigerio J.-M., et al. Biochim. Biophys. Acta 1262:64-68(1995).  
Yoshihama M., et al. Genome Res. 12:379-390(2002).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Bienvenut W.V., et al. Submitted (JUN-2005) to UniProtKB.