

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

RPS5 Antibody - Product Information

Application	WB
Primary Accession	P46782
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

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), 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:23636399). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). 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

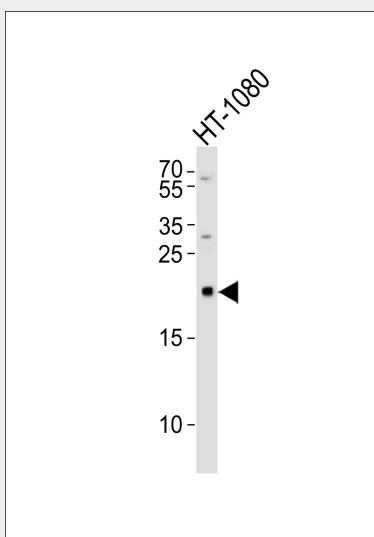
Cytoplasm. Nucleus, nucleolus

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.