

**RPS4X Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51708****Specification**

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**RPS4X Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P62701</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 30 KDa                 |
| Antigen Region    | 71 - 130               |

**RPS4X Antibody - Additional Information****Gene ID** 6191**Other Names**

40S ribosomal protein S4, X isoform, SCR10, Single copy abundant mRNA protein, RPS4X, CCG2, RPS4, SCAR

**Target/Specificity**

KLH conjugated synthetic peptide derived from human RPS4X

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**RPS4X Antibody - Protein Information****Name** RPS4X ([HGNC:10424](#))**Synonyms** CCG2, RPS4, SCAR**Function**

Component of the small ribosomal subunit. 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

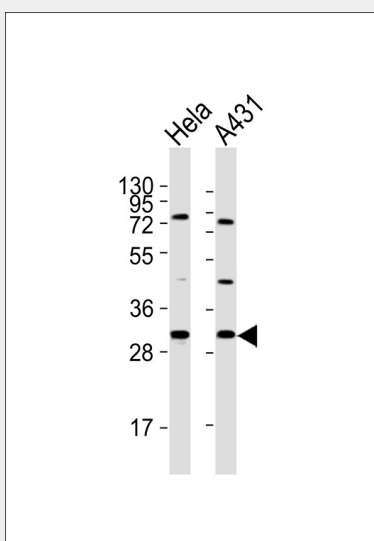
Cytoplasm. Nucleus, nucleolus. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

#### RPS4X 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](#)

#### RPS4X Antibody - Images



All lanes : Anti-RPS4X Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: A431 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 30 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### RPS4X Antibody - References

Fisher E.M.C.,et al.Cell 63:1205-1218(1990).  
Watanabe M.,et al.J. Cell Sci. 100:35-43(1991).  
Zuo L.,et al.Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Dmitrenko V.V.,et al.Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases.