

RPS4X Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51708

Product Information

Application	WB
Primary Accession	P62701
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29598

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 encompassing a sequence within the center region of human RPS4X. The exact sequence is proprietary.
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

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: 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. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

References

Fisher E.M.C.,et al.Cell 63:1205-1218(1990).

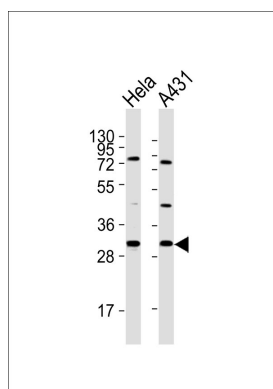
Watanabe M.,et al.J. Cell Sci. 100:35-43(1991).

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.