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Anti-RPS13 Antibody

Catalog # AP53320

Product Information

Application	WB, IHC
Primary Accession	P62277
Reactivity	Human, Mouse, Rat, Zebrafish, Chicken, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17222

Additional Information

Gene ID	6207
Other Names	40S ribosomal protein S13
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RPS13. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

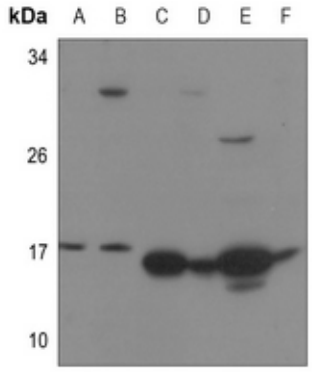
Protein Information

Name	RPS13 (HGNC:10386)
Function	Component of the small ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell. 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

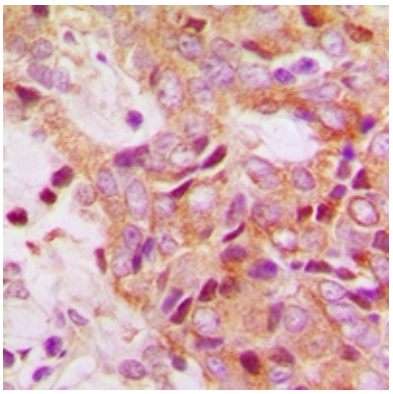
References

Chadeneau C.,et al.Nucleic Acids Res. 21:2945-2945(1993).
Filipenko M.L.,et al.Submitted (MAY-1994) to the EMBL/GenBank/DDBJ databases.
Kenmochi N.,et al.Biochem. Biophys. Res. Commun. 228:371-374(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of RPS13 expression in HEK293T (A), Hela (B), mouse kidney (C), mouse lung (D), rat kidney (E), rat lung (F) whole cell lysates. (Predicted band size: 17 kD; Observed band size: 17 kD)



Immunohistochemical analysis of RPS13 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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