10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RPL13 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11704

Product Information

Application	WB, IHC
Primary Accession	P26373
Other Accession	NM_000977, NP_000968
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
Predicted	Human, Mouse, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24261

Additional Information

Gene ID	6137
Alias Symbol	BBC1, D16S444E, FLJ27453, FLJ27454, MGC117342, MGC71373, L13, D16S44E
Other Names	60S ribosomal protein L13, Breast basic conserved protein 1, RPL13, BBC1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-RPL13 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	RPL13 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

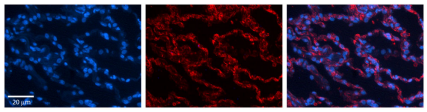
Name	RPL13
Synonyms	BBC1
Function	Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399, PubMed:31630789, PubMed:32669547). The small ribosomal subunit (SSU) binds messenger RNAs (mRNAs) and translates the encoded message by selecting cognate aminoacyl-transfer RNA (tRNA) molecules (Probable). The large subunit (LSU) contains the ribosomal catalytic site termed the peptidyl transferase center (PTC), which catalyzes the formation of peptide bonds, thereby polymerizing the amino acids delivered by tRNAs into a polypeptide chain (Probable). The nascent polypeptides leave the ribosome through a

	tunnel in the LSU and interact with protein factors that function in enzymatic processing, targeting, and the membrane insertion of nascent chains at the exit of the ribosomal tunnel (Probable). As part of the LSU, it is probably required for its formation and the maturation of rRNAs (PubMed:31630789). Plays a role in bone development (PubMed:31630789).
Cellular Location	Cytoplasm
Tissue Location	Higher levels of expression in benign breast lesions than in carcinomas.

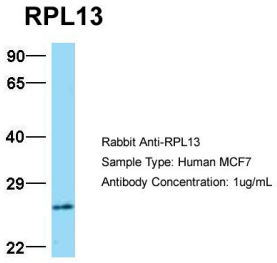
References

Bi,W., (2002) Genome Res. 12 (5), 713-728Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Hartl, T. A. et al. Regulation of ribosome biogenesis by nucleostemin 3 promotes local and systemic growth in Drosophila. Genetics 194, 101-15 (2013). WB, Human, Mouse, Rat, Dog, Bovine, H, Rabbit, Guinea pig, Zebrafish23436180

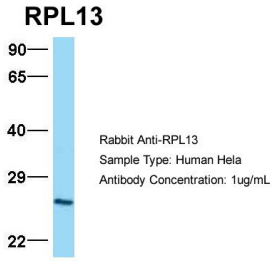
Images



Rabbit Anti-RPL13 Antibody
Catalog Number: AI11704
Formalin Fixed Paraffin Embedded Tissue: Human Lung
Tissue Observed Staining: Cytoplasmic in alveolar mostly type I cells
Primary Antibody
Concentration: 1:100 Other Working Concentrations: 1/600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

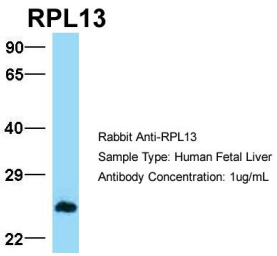


Host: Rabbit
Target Name: RPL13
Sample Tissue: MCF7
Antibody Dilution: 1.0µg/mlRPL13 is strongly supported by BioGPS gene expression data to be expressed in MCF7

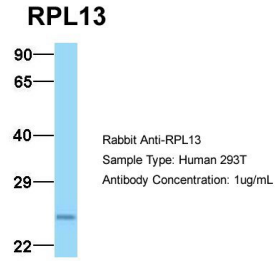


Host: Rabbit
Target Name: RPL13
Sample Tissue: Hela
Antibody Dilution: 1.0µg/mlThere is BioGPS gene expression data showing that RPL13 is expressed in HeLa

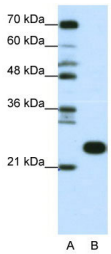
Host: Rabbit



Target Name: RPL13
Sample Tissue: Human Fetal Liver
Antibody Dilution: 1.0µg/ml



Host: Rabbit
Target Name: RPL13
Sample Tissue: 293T
Antibody Dilution: 1.0µg/mlRPL13 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



WB Suggested Anti-RPL13 Antibody Titration: 0.0625µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate

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