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

RPL13 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22061c

Specification

RPL13 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P26373
Other Accession	Q56JZ1, Q9Z313, P47963, P41123
Reactivity	**Human**
Predicted	**Bovine, Hamster, Mouse, Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**24261**

RPL13 Antibody (Center) - Additional Information

Gene ID 6137

Other Names
60S ribosomal protein L13, Breast basic conserved protein 1, RPL13, BBC1

Target/Specificity
This RPL13 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 49-82 amino acids from the Central region of human RPL13.

Dilution
WB~~1:2000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RPL13 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RPL13 Antibody (Center) - 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:31630789, PubMed:23636399, 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

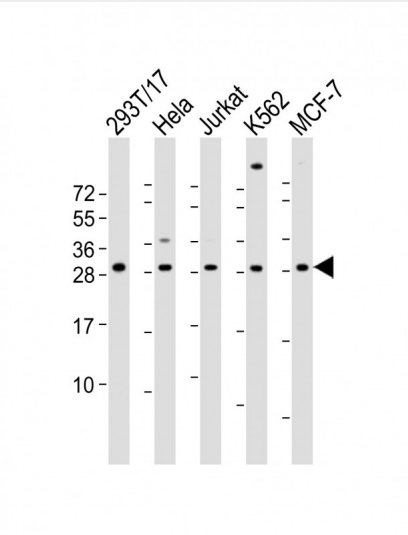
Tissue Location
Higher levels of expression in benign breast lesions than in carcinomas.

RPL13 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RPL13 Antibody (Center) - Images



All lanes : Anti-RPL13 Antibody (Center) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: K562 whole cell lysate Lane 5: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution

buffer: 5% NFDM/TBST.

RPL13 Antibody (Center) - References

Adams S.M.,et al.Hum. Mol. Genet. 1:91-96(1992).
Shichijo S.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Daub H.,et al.Mol. Cell 31:438-448(2008).