

Anti-RPL13 Rabbit Monoclonal Antibody

Catalog # ABO16209

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P26373
Host	Rabbit
Isotype	IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-RPL13 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse.

Additional Information

Gene ID	6137
Other Names	Large ribosomal subunit protein eL13, 60S ribosomal protein L13, Breast basic conserved protein 1, RPL13, BBC1
Calculated MW	24261
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: 27R88 A synthesized peptide derived from human RPL13
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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](#)).

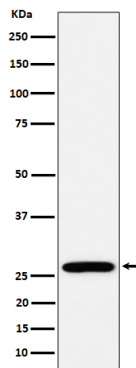
Cellular Location

Cytoplasm

Tissue Location

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

Images



Western blot analysis of RPL13 expression in MCF7 cell lysate.

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