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RPL13 Antibody

Rabbit mAb
Catalog # AP92792

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P26373
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	BBC1; L13; rpl13;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	24261

Additional Information

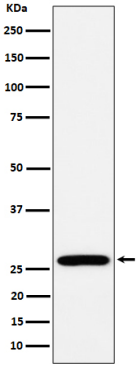
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human RPL13
Description	Belongs to the ribosomal protein L13e family.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.