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RPL13 Recombinant Rabbit mAb

Catalog # AP99558

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P26373
Other Accession	P26373
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	24261
Physical State	Liquid
Immunogen	A synthesized peptide derived from human RPL13
Epitope Specificity	46042
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Belongs to the ribosomal protein L13e family.

Additional Information

Gene ID	6137
Other Names	RL13_HUMAN; RPL13; 60S ribosomal protein L13; Breast basic conserved protein 1; BBC1; D16S444E; D16S44E; L13; SEMDIST; eL13; ribosomal protein L13; breast basic conserved 1
Dilution	WB=1:500-2000,IHC-P=1:100-200,IHC-F=1:100-200,ICC/IF=1:50-200,IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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