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Goat Anti-RPL17 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1945a

Specification

Goat Anti-RPL17 Antibody - Product Information

Application	**WB**
Primary Accession	P18621
Other Accession	NP_001030178, 6139, 319195 (mouse), 291434 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**21397**

Goat Anti-RPL17 Antibody - Additional Information

Gene ID 6139

Other Names
60S ribosomal protein L17, 60S ribosomal protein L23, PD-1, RPL17

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-RPL17 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-RPL17 Antibody - Protein Information

Name RPL17

Function
Component of the large ribosomal subunit (PubMed:12962325, PubMed:23636399, PubMed:32669547). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell

(PubMed:12962325, PubMed:23636399, PubMed:32669547).

Cellular Location
Cytoplasm.

Tissue Location
Expressed in pancreas, lung, colon, cystic duct, gall bladder, kidney and liver. Expressed at high levels in the well differentiated pancreatic tumor cell lines HPAF, COLO 357 and Capan-1, the moderately differentiated pancreatic tumor cell lines T3M-4, AsPc-1 and BxPc-3, the poorly differentiated pancreatic tumor cell line MIA PaCa-2, and the pancreatic tumor cell lines of undefined differentiation status such as SW979. Expressed at lower levels in the poorly differentiated pancreatic tumor cell lines HCG-25 and PANC-1

Goat Anti-RPL17 Antibody - 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

Goat Anti-RPL17 Antibody - Images



AF1945a (0.3 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-RPL17 Antibody - Background

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L22P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpL23 because the encoded protein shares amino acid identity with ribosomal protein L23 from Halobacterium marismortui; however, its official symbol is RPL17.

Two alternative splice variants have been observed, each encoding the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Goat Anti-RPL17 Antibody - References

A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.
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Regulated release of L13a from the 60S ribosomal subunit as a mechanism of transcript-specific translational control. Mazumder B, et al. Cell, 2003 Oct 17. PMID 14567916.