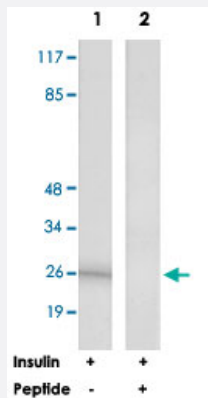


RPL10 polyclonal antibody

Catalog # PAB17331 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from K-562 cells, treated with Insulin (0.01 U/mL, 15 mins), using RPL10 polyclonal antibody (Cat # PAB17331). Peptide "+" means "with peptide blocking".

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of RPL10.

Immunogen A synthetic peptide corresponding to internal of human RPL10.

Host Rabbit

Reactivity Human, Mouse, Rat

Specificity This antibody detects endogenous levels of total RPL10 protein.

Form Liquid

Recommend Usage Western Blot (1:500-1:1000)
ELISA (1:20000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from K-562 cells, treated with Insulin (0.01 U/mL, 15 mins), using RPL10 polyclonal antibody (Cat # PAB17331).

Peptide "+" means "with peptide blocking".

Gene Info — RPL10

Entrez GeneID	6134
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Protein Accession#	P27635
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Gene Name	RPL10
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Gene Alias	DKFZp686J1851, DXS648, DXS648E, FLJ23544, FLJ27072, NOV, QM
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Gene Description	ribosomal protein L10
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Omim ID	312173
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Gene Ontology	Hyperlink
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Gene Summary

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 L10E family of ribosomal proteins. It is located in the cytoplasm. In vitro studies have shown that the chicken protein can bind to c-Jun and can repress c-Jun-mediated transcriptional activation, but these activities have not been demonstrated in vivo. This gene was initially identified as a candidate for a Wilms tumor suppressor gene, but later studies determined that this gene is not involved in the suppression of Wilms tumor. This gene has been referred to as 'laminin receptor homolog' because a chimeric transcript consisting of sequence from this gene and sequence from the laminin receptor gene was isolated; however, it is not believed that this gene encodes a laminin receptor. Transcript variants utilizing alternative polyA signals exist. The variant with the longest 3' UTR overlaps the deoxyribonuclease I-like 1 gene on the opposite strand. This gene is co-transcribed with the small nucleolar RNA gene U70, which is located in its fifth intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]

Other Designations

60S ribosomal protein L10|OTTHUMP00000063212|QM protein|Wilms tumor-related protein|Wilms' tumor suppressor|laminin receptor homolog|tumor suppressor QM

Publication Reference

- [A role for the ribosome-associated complex in activation of the IRE1 branch of UPR.](#)

I-Hui Wu, Jae Seok Yoon, Qian Yang, Yi Liu, William Skach, Philip Thomas.

Cell Reports 2021 Jun; 35(10):109217.

Application: WB-Ce, Human, HeLa cells

- [Quantification of the Host Response Proteome after Herpes Simplex 1 Virus infection.](#)

Berard AR, Coombs KM, Severini A.

Journal of Proteome Research 2015 May; 14(5):2121.

Application: WB, Human, HEK293 cells

- [Genomic organization of a cDNA \(QM\) demonstrating an altered mRNA level in nontumorigenic Wilms' microcell hybrid cells and its localization to Xq28.](#)

K Kaneko, H Kobayashi, O Onodera, T Miyatake, S Tsuji.

Human Molecular Genetics 1992 Oct; 1(7):529.

- [Identification and characterization of a new gene in the human Xq28 region.](#)

A M van den Ouweland, P Kioschis, M Verdijk, F Tamanini, D Toniolo, A Poustka, B A van Oost.

Human Molecular Genetics 1992 Jul; 1(4):269.

- [The isolation and characterization of a novel cDNA demonstrating an altered mRNA level in nontumorigenic Wilms' microcell hybrid cells.](#)

Dowdy SF, Lai KM, Weissman BE, Matsui Y, Hogan BL, Stanbridge EJ.

Nucleic Acids Research 1991 Oct; 19(20):5763.

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