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# RSL1D1 Rabbit pAb

Catalog # AP98322

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | O76021 |
| **Other Accession** | O76021 |
| **Reactivity** | Rat, Human |
| **Predicted** | Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 54973 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human RSL1D1 |
| **Epitope Specificity** | 151-250/490 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the ribosomal protein L1P family. Highly divergent. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | RSL1D1, also known as CATX-11, PBK1, L12 or CSIG, is a 490 amino acid nuclear protein that belongs to the ribosomal protein L1P family. Expressed in placenta, RSL1D1 contains many phosphorylated amino acid residues and is encoded by a gene that maps to human chromosome 16p13.13. Chromosome 16 encodes over 900 genes in approximately 90 million base pairs, makes up nearly 3% of human cellular DNA and is associated with a variety of genetic disorders. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, though through the CREBBP gene which encodes a critical CREB binding protein. Signs of Rubinstein-Taybi include mental retardation and predisposition to tumor growth and white blood cell neoplasias. |

## Additional Information

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| **Gene ID** | 26156 |
| **Other Names** | CSIG; L12; PBK1; UTP30; RL1D1_HUMAN; RSL1D1; CATX-11; Cellular senescence-inhibited gene protein; Protein PBK1; CATX11; ribosomal L1 domain containing 1 |
| **Dilution** | WB=1:500-2000,IHC-P=1:400-800,IHC-F=1:400-800,IF=1:100-500 |
| **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

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| **Name** | RSL1D1 |
| **Synonyms** | CATX11, CSIG {ECO:0000303\|PubMed:1867864 |
| **Function** | Regulates cellular senescence through inhibition of PTEN translation. Acts as a pro-apoptotic regulator in response to DNA damage. |
| **Cellular Location** | Nucleus, nucleolus. Note=Colocalizes with ING1 in the nucleolus after UV stress. |
| **Tissue Location** | Expressed at high intensities in the heart, skeletal muscle, and placenta. |

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