

RSL1D1 Rabbit pAb

Catalog # AP98322

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O76021
Other Accession	O76021
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

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

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'.