SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-RSL1D1 antibody

Catalog Number: SL22952R

FOR RESEARCH USE ONLY

[DATASHEET]

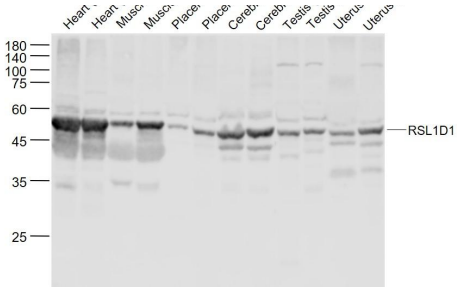
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	RSL1D1
Immunogen:	KLH conjugated synthetic peptide derived from mouse RSL1D1: 311-410/452
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat
Predicted MW.:	55kDa
Subcellular Location:	The nucleus
Background:	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

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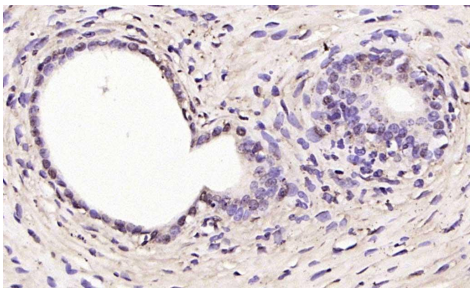
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	Rubinstein-Taybi include mental retardation and predisposition to tumor growth and white blood cell neoplasias. **Subcellular Location:** Nucleus, nucleolus. **Tissue Specificity:** Placenta. **Similarity:** Belongs to the ribosomal protein L1P family. Highly divergent. **Database links:** **Entrez Gene:** 26156 Human **SwissProt:** O76021 Human **Unigene:** 401842 Human CSIG can inhibit cellular senescence and extend cellular lifespan, possibly regulating the cellular senescence process through ribosome biogenesis or gene transcription regulation.

[VALIDATION IMAGES]



Sample:
Lane 1: Heart (Rat) Lysate at 40 ug
Lane 2: Heart (Mouse) Lysate at 40 ug
Lane 3: Muscle (Rat) Lysate at 40 ug
Lane 4: Muscle (Mouse) Lysate at 40 ug
Lane 5: Placenta (Rat) Lysate at 40 ug
Lane 6: Placenta (Mouse) Lysate at 40 ug
Lane 7: Cerebrum (Rat) Lysate at 40 ug
Lane 8: Cerebrum (Mouse) Lysate at 40 ug
Lane 9: Testis (Rat) Lysate at 40 ug
Lane 10: Testis (Mouse) Lysate at 40 ug
Lane 11: Uterus (Rat) Lysate at 40 ug
Lane 12: Uterus (Mouse) Lysate at 40 ug
Primary: Anti-RSL1D1 (SL22952R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kD
Observed band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded (rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RSL1D1) Polyclonal Antibody, Unconjugated (SL22952R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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