Data Sheet (Cat.No.TMAB-12401)

Anti-RSL1D1 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat
Molecular Weight:	Theoretical: 55 kDa. Actual: 52 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (RSL1D1) Polyclonal Antibody, Unconjugated (TMAB-12401) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining. 2. Sample: Lane 1: Heart (Rat) Lysate at 40 µg Lane 2: Heart (Mouse) Lysate at 40 µg Lane 3: Muscle (Rat) Lysate at 40 µg Lane 4: Muscle (Mouse) Lysate at 40 µg Lane 5: Placenta (Rat) Lysate at 40 µg Lane 6: Placenta (Mouse) Lysate at 40 µg Lane 7: Cerebrum (Rat) Lysate at 40 µg Lane 8: Cerebrum (Mouse) Lysate at 40 µg Lane 9: Testis (Rat) Lysate at 40 µg Lane 10: Testis (Mouse) Lysate at 40 µg Lane 11: Uterus (Rat) Lysate at 40 µg Lane 12: Uterus (Mouse) Lysate at 40 µg Primary: Anti-RSL1D1 (TMAB-12401) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 52 kD
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:400-800; IHC-Fr: 1:400-800; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: mouse RSL1D1

Antigen Species: Mouse

Gene ID: 26156

Research 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 Rubinstein-Taybi include mental retardation and predisposition to tumor growth and white blood cell neoplasias.

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