



Rabbit Anti-SIL1 antibody

SL17493R

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|-------------------------------|---|
| Product Name: | SIL1 |
| Chinese Name: | 内质网分子伴侣SIL1抗体 |
| Alias: | BAP; BiP associated protein; BiP-associated protein; Endoplasmic reticulum chaperone SIL 1; Endoplasmic reticulum chaperone SIL1; MSS; Nucleotide exchange factor SIL 1; Nucleotide exchange factor SIL1; SIL 1; sil1; SIL1 homolog; SIL1 homolog endoplasmic reticulum chaperone (S. cerevisiae); SIL1 homolog endoplasmic reticulum chaperone; SIL1 HUMAN; UGL 5; ULG5. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Horse, |
| Applications: | WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 49kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human SIL1:101-200/461 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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. |
| PubMed: | PubMed |
| Product Detail: | SIKE interacts with IKK-epsilon (IKBKE; MIM 605048) and TBK1 (MIM 604834) and acts as a suppressor of TLR3 (MIM 603029) and virus-triggered interferon activation pathways (Huang et al., 2005 [PubMed 16281057]).[supplied by OMIM, Mar 2008] |

Function:

Required for protein translocation and folding in the endoplasmic reticulum (ER). Functions as a nucleotide exchange factor for the ER luminal chaperone HSPA5.

Subcellular Location:

Endoplasmic reticulum lumen.

Tissue Specificity:

Highly expressed in tissues which produce large amounts of secreted proteins such as kidney, liver and placenta. Also expressed in colon, heart, lung, ovary, pancreas, peripheral leukocyte, prostate, spleen and thymus. Expressed at low levels throughout the brain.

Post-translational modifications:

N-glycosylated.

DISEASE:

Defects in SIL1 are a cause of Marinesco-Sjoegren syndrome (MSS) [MIM:248800]. MSS is an autosomal recessive multisystem disorder which is characterized by cerebellar ataxia due to cerebellar atrophy, with Purkinje and granule cell loss and myopathy featuring marked muscle replacement with fat and connective tissue. Other cardinal features include bilateral cataracts, hypergonadotrophic hypogonadism and mild to severe mental retardation. Skeletal abnormalities, short stature, dysarthria, strabismus and nystagmus are also frequent findings. Mutational inactivation of this protein may result in ER stress-induced cell death signaling or malfunctioning chaperone machineries that mishandle client proteins which are critical for the organs targeted in MSS.

Similarity:

Belongs to the SIL1 family.

SWISS:

Q9H173

Gene ID:

64374

Database links:

[Entrez Gene: 64374](#) Human

[Entrez Gene: 81500](#) Mouse

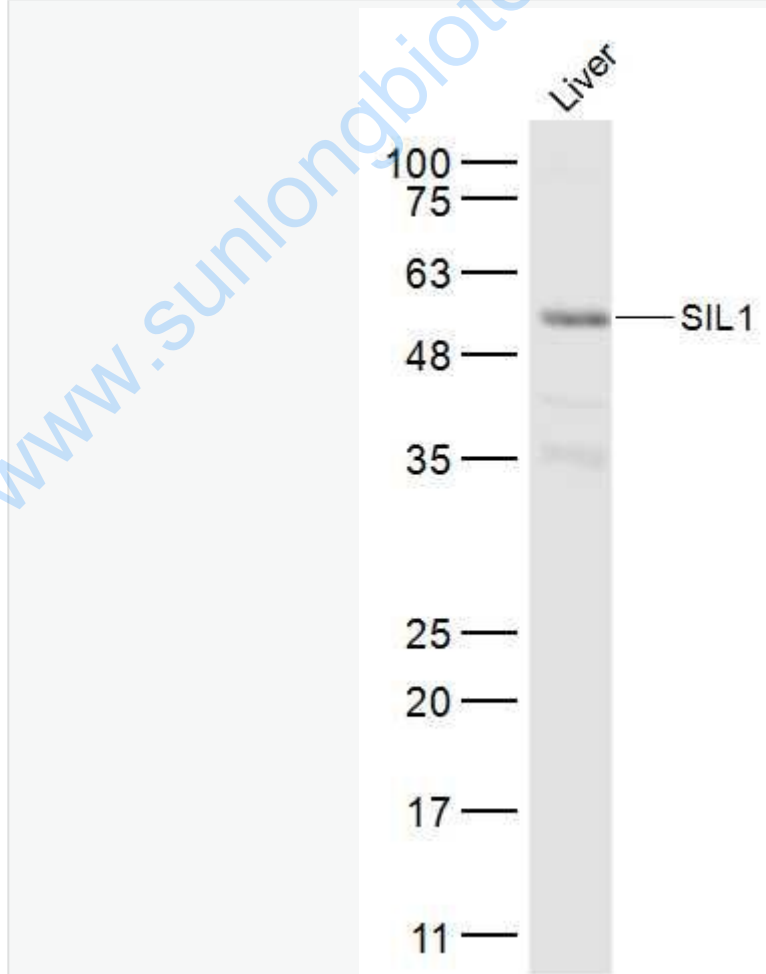
[Entrez Gene: 291673](#) Rat

[Omim: 608005](#) Human
[SwissProt: Q9H173](#) Human
[SwissProt: Q9EPK6](#) Mouse
[SwissProt: Q6P6S4](#) Rat
[Unigene: 483521](#) Human
[Unigene: 291482](#) Mouse
[Unigene: 103851](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Liver (Mouse) Lysate at 40 ug

Primary: Anti-SIL1 (SL17493R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD

Observed band size: 59 kD

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