



SIL1 mouse mAb

Catalog No	YP-mAb-11637
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SIL1 UNQ545/PRO836
Immunogen	Synthesized peptide derived from human SIL1 AA range: 169-219
Specificity	This antibody detects endogenous levels of SIL1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	UNQ545/PRO836;ULG5;MSS;BiP-associated protein;BiP associated protein; SIL1;SIL1 UNQ545/PRO836
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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.
Function	developmental stage:Expressed in fetal kidney, fetal lung, fetal liver and at low levels in fetal brain.;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.,function:Required for prot

Background

This gene encodes a resident endoplasmic reticulum (ER), N-linked glycoprotein with an N-terminal ER targeting sequence, 2 putative N-glycosylation sites, and a C-terminal ER retention signal. This protein functions as a nucleotide exchange factor for another unfolded protein response protein. Mutations in this gene have been associated with Marinesco-Sjogren syndrome. Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008],

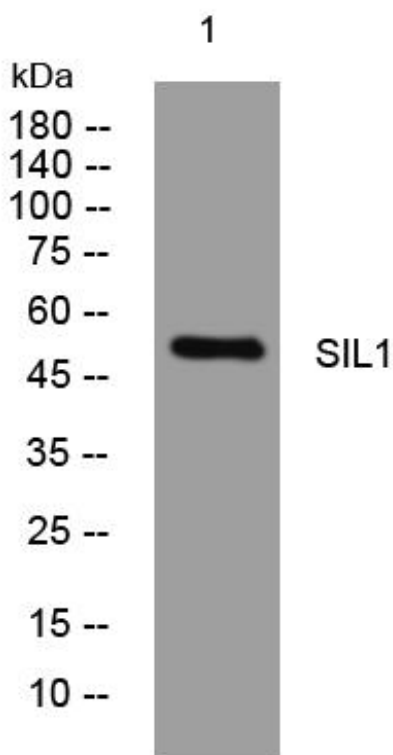
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SIL1 mouse mAb