

SIL1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8511c**Specification**

SIL1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q9H173](#)

SIL1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 64374

Other Names

Nucleotide exchange factor SIL1, BiP-associated protein, BAP, SIL1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8511c](/products/AP8511c) was selected from the Center region of human SIL1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SIL1 Antibody (Center) Blocking Peptide - Protein Information

Name SIL1

Function

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

Cellular Location

Endoplasmic reticulum lumen

Tissue Location

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.

SIL1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SIL1 Antibody (Center) Blocking Peptide - Images

SIL1 Antibody (Center) Blocking Peptide - Background

SIL1 IS 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.

SIL1 Antibody (Center) Blocking Peptide - References

Clark,H.F., ET.AL., Genome Res. 13 (10), 2265-2270 (2003)