

Goat Anti-BAP / SIL1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1141a**Specification**

Goat Anti-BAP / SIL1 Antibody - Product Information

Application	WB
Primary Accession	O9H173
Other Accession	NP_001032722 , 64374
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	52085

Goat Anti-BAP / SIL1 Antibody - Additional Information**Gene ID** 64374**Other Names**

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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-BAP / SIL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-BAP / SIL1 Antibody - 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.

Goat Anti-BAP / SIL1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-BAP / SIL1 Antibody - Images



AF1141a staining (1 µg/ml) of Human Kidney lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-BAP / SIL1 Antibody - 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.

Goat Anti-BAP / SIL1 Antibody - References

Interactions between Kar2p and its nucleotide exchange factors Sil1p and Lhs1p are mechanistically distinct. Hale SJ, et al. J Biol Chem, 2010 Jul 9. PMID 20430899.
Novel SIL1 mutations in consanguineous Pakistani families mapping to chromosomes 5q31. Riazuddin SA, et al. Mol Vis, 2009 May 22. PMID 19471582.
Identification of a new homozygous frameshift insertion mutation in the SIL1 gene in 3 Japanese

patients with Marinesco-Sjögren syndrome. Eriguchi M, et al. J Neurol Sci, 2008 Jul 15. PMID 18395226.

Novel SIL1 mutations and exclusion of functional candidate genes in Marinesco-Sjögren syndrome. Anttonen AK, et al. Eur J Hum Genet, 2008 Aug. PMID 18285827.

A novel mutation in BAP/SIL1 gene causes Marinesco-Sjögren syndrome in an extended pedigree. Karim MA, et al. Clin Genet, 2006 Nov. PMID 17026626.