

Sar1B rabbit pAb

Cat#: orb769374 (Manual)

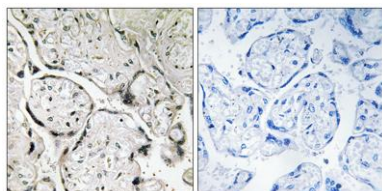
For research use only. Not intended for diagnostic use.

Product Name	Sar1B rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human SAR1B. AA range:111-160
Specificity	Sar1B Polyclonal Antibody detects endogenous levels of Sar1B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	GTP-binding protein SAR1b
Gene Name	SAR1B
Cellular localization	Endoplasmic reticulum membrane ; Peripheral membrane protein . Golgi apparatus, Golgi stack membrane ; Peripheral membrane protein . Associated with the endoplasmic reticulum and Golgi stacks, in particular in the juxta-nuclear Golgi region. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

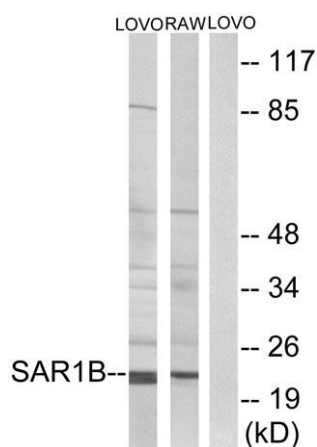
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	22kD
Human Gene ID	51128
Human Swiss-Prot Number	Q9Y6B6
Alternative Names	SAR1B; SARA2; SARB; GTP-binding protein SAR1b; GTP-binding protein B; GTBPB

Background

The protein encoded by this gene is a small GTPase that acts as a homodimer. The encoded protein is activated by the guanine nucleotide exchange factor PREB and is involved in protein transport from the endoplasmic reticulum to the Golgi. This protein is part of the COPII coat complex. Defects in this gene are a cause of chylomicron retention disease (CMRD), also known as Anderson disease (ANDD). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010],



Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using SAR1B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO and RAW264.7 cells, using SAR1B Antibody. The lane on the right is blocked with the synthesized peptide.