

Sar1B rabbit pAb

Cat No.: ES6499

For research use only

Overview

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



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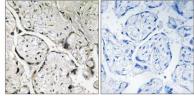
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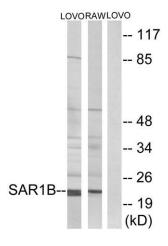


Background

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.

