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WBS16 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13957a

Specification

WBS16 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q96I51

WBS16 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 81554

Other Names
Williams-Beuren syndrome chromosomal region 16 protein, RCC1-like G exchanging factor-like protein, WBSCR16

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13957a was selected from the N-term region of WBS16. 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.

WBS16 Antibody (N-term) Blocking peptide - Protein Information

Name RCC1L (HGNC:14948)

Function
Guanine nucleotide exchange factor (GEF) for mitochondrial dynamin-related GTPase OPA1. Activates OPA1, by exchanging bound GDP for free GTP, and drives OPA1 and MFN1-dependent mitochondrial fusion (PubMed:28746876). Plays an essential role in mitochondrial ribosome biogenesis. As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation of core subunits of the oxidative phosphorylation system (PubMed:27667664).

Cellular Location
Mitochondrion membrane Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9CYF5}

Tissue Location
Ubiquitous..

WBS16 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

WBS16 Antibody (N-term) Blocking peptide - Images

WBS16 Antibody (N-term) Blocking peptide - Background

This gene encodes an RCC1-like G-exchanging factor. It isdeleted in Williams syndrome, a multisystem developmental disordercaused by the deletion of contiguous genes at 7q11.23. [provided byRefSeq].

WBS16 Antibody (N-term) Blocking peptide - References

Merla, G., et al. Hum. Genet. 110(5):429-438(2002)