

FAM49B Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP19913a**Specification**

FAM49B Blocking Peptide (N-term) - Product Information

Primary Accession [O9NUO9](#)
Other Accession [O921M7](#), [O2KJL3](#), [NP_057707.3](#)

FAM49B Blocking Peptide (N-term) - Additional Information

Gene ID 51571

Other Names

Protein FAM49B, L1, FAM49B

Target/Specificity

The synthetic peptide sequence is selected from aa 22-36 of HUMAN FAM49B

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.

FAM49B Blocking Peptide (N-term) - Protein Information

Name CYRIB {ECO:0000303|PubMed:30250061, ECO:0000312|HGNC:HGNC:25216}

Function

Negatively regulates RAC1 signaling and RAC1-driven cytoskeletal remodeling (PubMed:31285585, PubMed:30250061). Regulates chemotaxis, cell migration and epithelial polarization by controlling the polarity, plasticity, duration and extent of protrusions. Limits Rac1 mediated activation of the Scar/WAVE complex, focuses protrusion signals and regulates pseudopod complexity by inhibiting Scar/WAVE- induced actin polymerization (PubMed:30250061). Protects against Salmonella bacterial infection. Attenuates processes such as macropinocytosis, phagocytosis and cell migration and restrict sopE- mediated bacterial entry (PubMed:31285585). Restricts also infection mediated by Mycobacterium tuberculosis and Listeria monocytogenes (By similarity). Involved in the regulation of mitochondrial dynamics and oxidative stress (PubMed:29059164).

Cellular Location

Membrane; Lipid-anchor. Mitochondrion

FAM49B Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

FAM49B Blocking Peptide (N-term) - Images**FAM49B Blocking Peptide (N-term) - Background**

The function of this protein is unknown.

FAM49B Blocking Peptide (N-term) - References

Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Petroziello, J., et al. Oncogene 23(46):7734-7745(2004)