

RAB7B Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP19936B**Specification**

RAB7B Blocking Peptide (C-term) - Product Information

Primary Accession [Q96AH8](#)
Other Accession [NP_796377.3](#)

RAB7B Blocking Peptide (C-term) - Additional Information

Gene ID 338382

Other Names

Ras-related protein Rab-7b, RAB7B

Target/Specificity

The synthetic peptide sequence is selected from aa 183-197 of HUMAN RAB7B

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.

RAB7B Blocking Peptide (C-term) - Protein Information

Name RAB7B

Function

Controls vesicular trafficking from endosomes to the trans- Golgi network (TGN). Acts as a negative regulator of TLR9 signaling and can suppress TLR9-triggered TNFA, IL6, and IFNB production in macrophages by promoting TLR9 lysosomal

RAB7B Blocking Peptide (C-term) - Background

Protein transport. Probably involved in vesicular traffic (By similarity).

RAB7B Blocking Peptide (C-term) - References

Progida, C., et al. J. Cell. Sci. 123 (PT 9), 1480-1491 (2010) :
Yang, M., et al. Biochem. Biophys. Res. Commun. 318(3):792-799(2004)

degradation. Also negatively regulates TLR4 signaling in macrophages by promoting lysosomal degradation of TLR4. Promotes megakaryocytic differentiation by increasing NF-kappa-B-dependent IL6 production and subsequently enhancing the association of STAT3 with GATA1. Not involved in the regulation of the EGF- and EGFR degradation pathway.

Cellular Location

Late endosome. Lysosome Golgi apparatus. Golgi apparatus, trans- Golgi network. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Recruited to phagosomes containing S.aureus or M.tuberculosis.

Tissue Location

Expressed in heart, placenta, lung, skeletal muscle and peripheral blood leukocyte.

**RAB7B Blocking Peptide (C-term) -
Protocols**

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

- [Blocking Peptides](#)