

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

Synthetic peptide

Catalog # BP19936B

**Specification**

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**RAB7B Blocking Peptide (C-term) - Product Information**

Primary Accession

[O96AH8](#)

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 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](#)

#### **RAB7B Blocking Peptide (C-term) - Images**

#### **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)