

**FAM65B Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17120b****Specification**

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**FAM65B Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9Y4F9](#)**FAM65B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 9750**Other Names**

Protein FAM65B, FAM65B, C6orf32, DIFF48, KIAA0386, PL48

**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.

**FAM65B Antibody (C-term) Blocking Peptide - Protein Information****Name** RIPOR2**Function**

Acts as an inhibitor of the small GTPase RHOA and plays several roles in the regulation of myoblast and hair cell differentiation, lymphocyte T proliferation and neutrophil polarization (PubMed:<a href="http://www.uniprot.org/citations/17150207" target="\_blank">17150207</a>, PubMed:<a href="http://www.uniprot.org/citations/24687993" target="\_blank">24687993</a>, PubMed:<a href="http://www.uniprot.org/citations/23241886" target="\_blank">23241886</a>, PubMed:<a href="http://www.uniprot.org/citations/24958875" target="\_blank">24958875</a>, PubMed:<a href="http://www.uniprot.org/citations/25588844" target="\_blank">25588844</a>, PubMed:<a href="http://www.uniprot.org/citations/27556504" target="\_blank">27556504</a>). Inhibits chemokine-induced T lymphocyte responses, such as cell adhesion, polarization and migration (PubMed:<a href="http://www.uniprot.org/citations/23241886" target="\_blank">23241886</a>). Involved also in the regulation of neutrophil polarization, chemotaxis and adhesion (By similarity). Required for normal development of inner and outer hair cell stereocilia within the cochlea of the inner ear (By similarity). Plays a role for maintaining the structural organization of the basal domain of stereocilia (By similarity). Involved in mechanosensory hair cell function (By similarity). Required for normal hearing (PubMed:<a href="http://www.uniprot.org/citations/24958875" target="\_blank">24958875</a>).

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, filopodium. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q80U16}. Cell projection, stereocilium membrane {ECO:0000250|UniProtKB:Q7TP54}. Apical cell membrane {ECO:0000250|UniProtKB:Q7TP54}. Note=Localized in the cytoplasm in cells undergoing mitosis (PubMed:17150207). Colocalized with F-actin (PubMed:17150207). Localized with RHOC within the basal domain of hair cell stereocilia, near the taper region (By similarity). Detected in punctate pattern forming a circumferential ring at the stereocilia base (By similarity). Localized to the apical stereocilia of inner and outer hair cells (By similarity). Not detected as a membrane-associated protein in stereocilia (By similarity). {ECO:0000250|UniProtKB:Q7TP54, ECO:0000250|UniProtKB:Q80U16, ECO:0000269|PubMed:17150207} [Isoform 2]: Cytoplasm. Note=Accumulates at the leading edge of polarized neutrophils in a chemokine-dependent manner (PubMed:25588844).

#### **Tissue Location**

Expressed in primary fetal mononuclear myoblast (PubMed:17150207). Expressed strongly in naive T lymphocytes (PubMed:27556504). Expressed weakly in activated T lymphocytes (at protein level) (PubMed:27556504). Expressed in blood cells and adult tissues of hematopoietic origin, such as the secondary lymphoid organs (PubMed:23241886). Expressed in cytotrophoblast (PubMed:9055809)

#### **FAM65B Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **FAM65B Antibody (C-term) Blocking Peptide - Images**

#### **FAM65B Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene stimulates the formation of a non-mitotic multinucleate syncytium from proliferative cytotrophoblasts during trophoblast differentiation. Two alternatively spliced transcript variants have been found for this gene.

#### **FAM65B Antibody (C-term) Blocking Peptide - References**

Yoon, S., et al. Dev. Biol. 301(1):70-81(2007)Morrish, D.W., et al. Curr. Protein Pept. Sci. 2(3):245-259(2001)Morrish, D.W., et al. J. Reprod. Immunol. 39 (1-2), 179-195 (1998) :Dakour, J., et al. Gene 185(2):153-157(1997)