

**FAM65B Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17120B****Specification**

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**FAM65B Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Y4F9</a>
Other Accession	<a href="#">NP_056948.2</a> , <a href="#">NP_055537.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	118519
Antigen Region	829-856

**FAM65B Antibody (C-term) - Additional Information****Gene ID** 9750**Other Names**

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

**Target/Specificity**

This FAM65B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 829-856 amino acids from the C-terminal region of human FAM65B.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FAM65B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FAM65B Antibody (C-term) - 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:[17150207](#), PubMed:[23241886](#), PubMed:[24687993](#), PubMed:[24958875](#), PubMed:[25588844](#), PubMed:[27556504](#)). Inhibits chemokine-induced T lymphocyte responses, such as cell adhesion, polarization and migration (PubMed:[23241886](#)). 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:[24958875](#)).

#### 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)

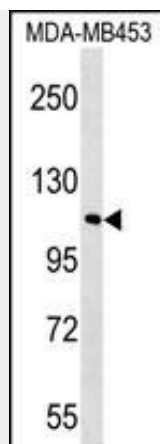
#### FAM65B Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### FAM65B Antibody (C-term) - Images





FAM65B Antibody (C-term) (Cat. #AP17120b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the FAM65B antibody detected the FAM65B protein (arrow).

#### **FAM65B Antibody (C-term) - 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) - 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)