

FAM65B Rabbit pAb

CatalogNo: YN6428

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 117kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from human FAM65B

Specificity This antibody detects endogenous levels of FAM65B at Human, Mouse

| Target Information

Gene name FAM65B C6orf32 DIFF48 KIAA0386 PL48

Protein Name	Protein FAM65B		
	Organism	Gene ID	UniProt ID
	Human	9750;	Q9Y4F9;
	Mouse	193385;	Q80U16;
Cellular Localization	Cytoplasm . Cytoplasm, cytoskeleton . Cell projection, filopodium . Cell projection, stereocilium . Cell projection, stereocilium membrane . Apical cell membrane . 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). . ; [Isoform 1]: Cytoplasm . ; [Isoform 2]: Cytoplasm . Accumulates at the leading edge of polarized neutrophils in a chemokine-dependent manner (PubMed:25588844). .		
Tissue specificity	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 cytrophoblast (PubMed:9055809).		
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 . Inhibits chemokine-induced T lymphocyte responses, such as cell adhesion, polarization and migration . 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 . ; [Isoform 2]: Acts as an inhibitor of the small GTPase RHOA . Plays a role in fetal mononuclear myoblast differentiation by promoting filopodia and myotube formation . Maintains naive T lymphocytes in a quiescent state .		

| Validation Data

| Contact information

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