



FAM65B mouse mAb

Catalog No	YP-mAb-18382
Isotype	IgG
Reactivity	Human, Mouse
Applications	WB
Gene Name	FAM65B C6orf32 DIFF48 KIAA0386 PL48
Protein Name	Protein FAM65B
Immunogen	Synthesized peptide derived from human FAM65B
Specificity	This antibody detects endogenous levels of FAM65B at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	117kD
Cell Pathway	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 cytotrophoblast (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 .

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images