

FAM65B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54840**Specification****FAM65B Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	O9Y4F9
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118519

FAM65B Polyclonal Antibody - Additional Information**Gene ID** 9750**Other Names**

Rho family-interacting cell polarization regulator 2, RIPOR2

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

FAM65B Polyclonal Antibody - 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:24687993, PubMed:23241886, 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

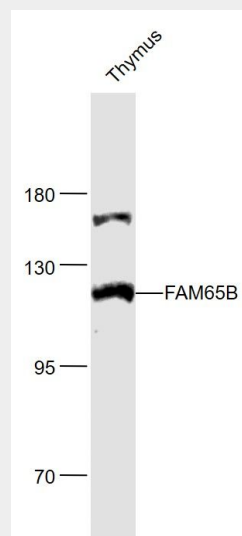
Expressed in primary fetal mononuclear myoblast (PubMed:17150207). Expressed strongly in naive T lymphocytes (PubMed:27556504). Expressed weakly in activated T lymphocytes (at protein level) (PubMed:27556504). Expressed in blood cells and adult tissues of hematopoietic origin, such as the secondary lymphoid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

FAM65B Polyclonal Antibody - Protocols

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

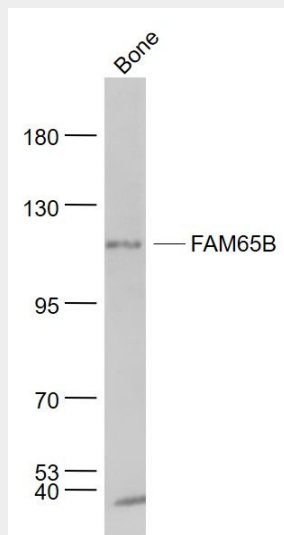
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FAM65B Polyclonal Antibody - Images



Sample:
Thymus (Mouse) Lysate at 40 ug

Primary: Anti-FAM65B (bs-12370R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 118 kD
Observed band size: 118 kD



Sample:
Bone (Mouse) Lysate at 40 ug
Primary: Anti- FAM65B (bs-12370R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 118 kD
Observed band size: 118 kD