

Mouse Adrbk1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13797b**Specification**

Mouse Adrbk1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q99MK8](#)**Mouse Adrbk1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 110355**Other Names**

Beta-adrenergic receptor kinase 1, Beta-ARK-1, G-protein-coupled receptor kinase 2, Adrbk1, Grk2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13797b was selected from the C-term region of Mouse Adrbk1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

Mouse Adrbk1 Antibody (C-term) Blocking peptide - Protein Information**Name** Grk2 {ECO:0000312|MGI:MGI:87940}**Synonyms** Adrbk1**Function**

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them (By similarity). Key regulator of LPAR1 signaling (By similarity). Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor (By similarity). Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner (By similarity). Positively regulates ciliary smoothened (SMO)- dependent Hedgehog (Hh) signaling pathway by facilitating the trafficking of SMO into the cilium and the stimulation of SMO activity (By similarity). Inhibits relaxation of airway smooth muscle in response to blue light (PubMed:30284927).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P26817}. Cell membrane {ECO:0000250|UniProtKB:P21146}. Postsynapse {ECO:0000250|UniProtKB:P26817}. Presynapse {ECO:0000250|UniProtKB:P26817}

Mouse Adrbk1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Adrbk1 Antibody (C-term) Blocking peptide - Images

Mouse Adrbk1 Antibody (C-term) Blocking peptide - Background

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