

Mouse Adrbk1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13797b

Specification

Mouse Adrbk1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q99MK8
Other Accession	P26817 , P25098 , P21146
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79639
Antigen Region	645-674

Mouse Adrbk1 Antibody (C-term) - 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

This Mouse Adrbk1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 645-674 amino acids from the C-terminal region of mouse Adrbk1.

Dilution

WB~~1:1000

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

Mouse Adrbk1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Adrbk1 Antibody (C-term) - 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

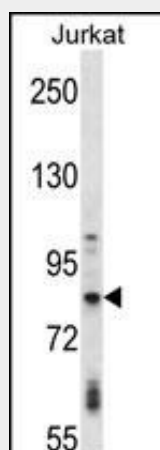
Cytoplasm {ECO:0000250|UniProtKB:P26817}. Cell membrane {ECO:0000250|UniProtKB:P21146}. Postsynapse {ECO:0000250|UniProtKB:P26817}. Presynapse {ECO:0000250|UniProtKB:P26817}

Mouse Adrbk1 Antibody (C-term) - Protocols

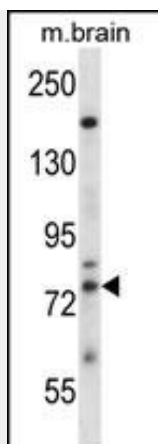
Provided below are standard protocols that you may find useful for product applications.

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

Mouse Adrbk1 Antibody (C-term) - Images



Mouse Adrbk1 Antibody (C-term) (Cat. #AP13797b) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the Adrbk1 antibody detected the Adrbk1 protein (arrow).



Mouse Adrbk1 Antibody (C-term) (Cat. #AP13797b) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the Adrbk1 antibody detected the Adrbk1 protein (arrow).

Mouse Adrbk1 Antibody (C-term) - Background

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them.