

**GRK2 Rabbit mAb**  
Catalog # AP77485**Specification**

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**GRK2 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P25098</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>79574</b>

**GRK2 Rabbit mAb - Additional Information****Gene ID** 156**Other Names**  
GRK2**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**GRK2 Rabbit mAb - Protein Information****Name** GRK2 ([HGNC:289](#))**Synonyms** ADRBK1, BARK, BARK1**Function**

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them (PubMed:<a href="http://www.uniprot.org/citations/19715378" target="\_blank">19715378</a>). Key regulator of LPAR1 signaling (PubMed:<a href="http://www.uniprot.org/citations/19306925" target="\_blank">19306925</a>). Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor (PubMed:<a href="http://www.uniprot.org/citations/19306925" target="\_blank">19306925</a>). Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner (PubMed:<a href="http://www.uniprot.org/citations/19306925" target="\_blank">19306925</a>). 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:<a href="http://www.uniprot.org/citations/30284927" target="\_blank">30284927</a>).

**Cellular Location**

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

Postsynapse {ECO:0000250|UniProtKB:P26817}. Presynapse {ECO:0000250|UniProtKB:P26817}

#### Tissue Location

Expressed in peripheral blood leukocytes.

#### GRK2 Rabbit mAb - 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](#)

#### GRK2 Rabbit mAb - Images

