

# GRK2 Rabbit mAb

Catalog # AP76516

## Product Information

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

## Additional Information

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Gene ID	156
Other Names	GRK2
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

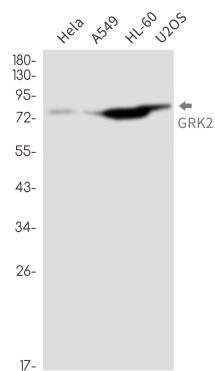
## Protein Information

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Name	GRK2 ( <a href="#">HGNC:289</a> )
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="#">19715378</a> ). Key regulator of LPAR1 signaling (PubMed: <a href="#">19306925</a> ). Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor (PubMed: <a href="#">19306925</a> ). Desensitizes LPAR1 and LPAR2 in a phosphorylation- independent manner (PubMed: <a href="#">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="#">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.

## Images

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