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GRK3 Rabbit mAb

Catalog # AP78704

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	P35626
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human GRK3
Purification	Affinity Chromatography
Calculated MW	79710

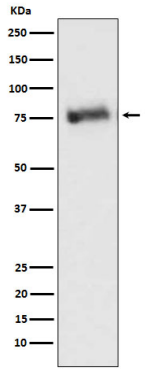
Additional Information

Gene ID	157
Other Names	GRK3
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	GRK3 (HGNC:290)
Function	Specifically phosphorylates the activated forms of G protein- coupled receptors (PubMed:21799898, PubMed:33859231). Such receptor phosphorylation initiates beta-arrestin-mediated receptor internalization, and signaling events leading to their desensitization (PubMed:21799898, PubMed:33859231). Phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors (By similarity). Also phosphorylates ligand-bound C3a and C5a anaphylatoxin receptors (C3AR1 and C5AR1, respectively), leading to receptor desensitization (PubMed:21799898). Positively regulates ciliary smoothened (SMO) signaling pathway by mediating phosphorylation of SMO, facilitating SMO trafficking into the cilium and the stimulation of SMO activity (By similarity).
Cellular Location	Postsynapse {ECO:0000250|UniProtKB:P26819}. Presynapse {ECO:0000250|UniProtKB:P26819}

Images



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