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GRK3 Antibody

Rabbit mAb
Catalog # AP91653

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P35626
Reactivity	Human
Clonality	Monoclonal
Other Names	ADRBK2; BARK2; GRK3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	79710

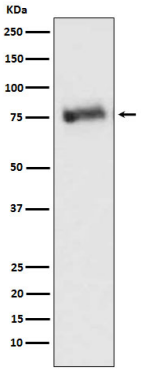
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GRK3
Description	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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



Western blot analysis of GRK3 expression in Ramos cell lysate.

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