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Anti-GRK3 Monoclonal Antibody

Catalog # ABO14612

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P35626
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-GRK3 Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Additional Information

Gene ID	157
Other Names	G protein-coupled receptor kinase 3 {ECO:0000312|HGNC:HGNC:290}, 2.7.11.15, GRK3 (HGNC:290)
Calculated MW	79710
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AEBE-7
Immunogen	A synthesized peptide derived from human GRK3 Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

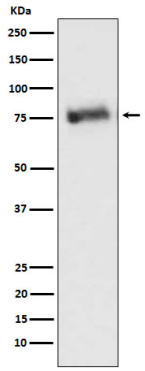
Name	GRK3 (HGNC:290)
Function	Specifically phosphorylates the activated forms of G protein- coupled

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



Western blot analysis of GRK3 expression in Ramos cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.