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KD-Validated Anti-G Protein-Coupled Receptor Kinase 6 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1865

Product Information

Application	WB, FC
Primary Accession	P43250
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB4870
Calculated MW	65991
Gene Name	GRK6
Aliases	GRK6; G Protein-Coupled Receptor Kinase 6; GPRK6; EC 2.7.11.16; G Protein-Coupled Receptor Kinase GRK6; EC 2.7.11
Immunogen	A synthesized peptide derived from human GRK6

Additional Information

Gene ID	2870
Other Names	G protein-coupled receptor kinase 6, 2.7.11.16, G protein-coupled receptor kinase GRK6, GRK6, GPRK6

Protein Information

Name	GRK6
Synonyms	GPRK6
Function	Specifically phosphorylates the activated forms of G protein- coupled receptors (PubMed:19423652, PubMed:20048153). Such receptor phosphorylation initiates beta-arrestin-mediated receptor internalization, and signaling events leading to their desensitization (PubMed:19423652, PubMed:20048153). Seems to be involved in the desensitization of D2-like dopamine receptors in striatum and chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis (PubMed:20048153). Phosphorylates rhodopsin (RHO) (in vitro) and a non G protein-coupled receptor: LRP6 during Wnt signaling (in vitro) (PubMed:19801552).
Cellular Location	Membrane; Lipid-anchor.
Tissue Location	Widely expressed..

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