

KD-Validated Anti-G Protein-Coupled Receptor Kinase 6 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1865**Specification**

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

Application	WB, FC
Primary Accession	P43250
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 66 kDa, observed, 70 kDa kDa
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

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

KD-Validated Anti-G Protein-Coupled Receptor Kinase 6 Rabbit Monoclonal Antibody - Protein Information**Name** GRK6**Synonyms** GPRK6**Function**

Specifically phosphorylates the activated forms of G protein- coupled receptors. Such receptor phosphorylation initiates beta- arrestin-mediated receptor desensitization, internalization, and signaling events leading to their desensitization. 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 (By similarity). Phosphorylates rhodopsin (RHO) (in vitro) and a non G-protein-coupled receptor: LRP6 during Wnt signaling (in vitro).

Cellular Location

Membrane; Lipid-anchor.

Tissue Location

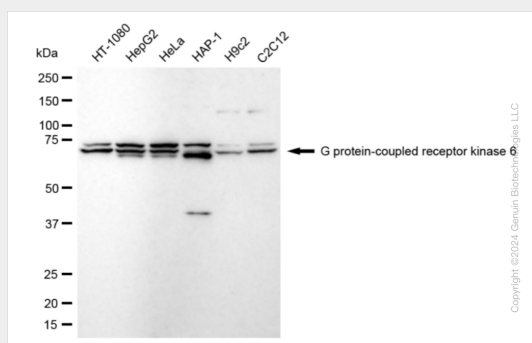
Widely expressed..

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

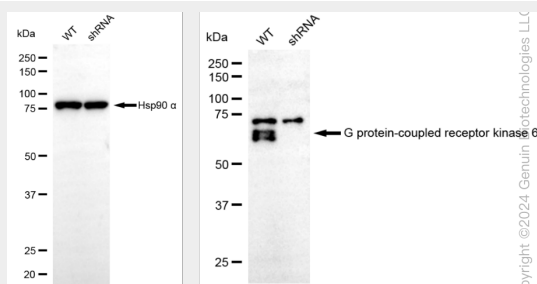
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

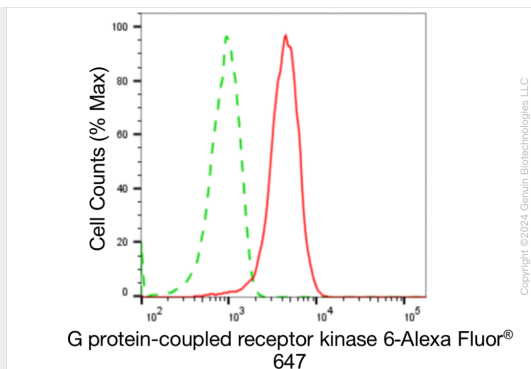
KD-Validated Anti-G Protein-Coupled Receptor Kinase 6 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-G protein-coupled receptor kinase 6 antibody (Cat#AGI1865). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-G protein-coupled receptor kinase 6 antibody (Cat#AGI1865, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-G protein-coupled receptor kinase 6 antibody (Cat#AGI1865). G protein-coupled receptor kinase 6 expression in wild type (WT) and G protein-coupled receptor kinase 6 (GRK6) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-G protein-coupled receptor kinase 6 antibody (Cat#AGI1865, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of G protein-coupled receptor kinase 6 expression in HepG2 cells using anti-G protein-coupled receptor kinase 6 antibody (Cat#AGI1865, 1:2,000). Green, isotype control; red, G protein-coupled receptor kinase 6.