

Product Name: KD-Validated G Protein-Coupled Receptor Kinase 6 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00737

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 66.0kDa

Antigen Information

Gene Name	GRK6
Alternative Names	GRK6; G Protein-Coupled Receptor Kinase 6; GPRK6; EC 2.7.11.16; G Protein-Coupled Receptor Kinase GRK6; EC 2.7.11
Gene ID	2870.0
SwissProt ID	P43250
Immunogen	A synthesized peptide derived from human GRK6

Background

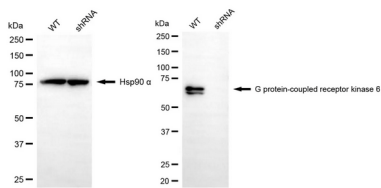
This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating

their deactivation. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

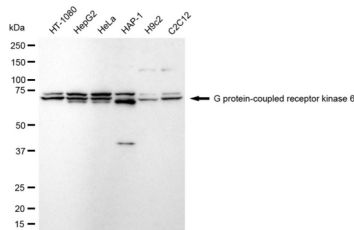
Research Area

Signal Transduction, Cardiovascular

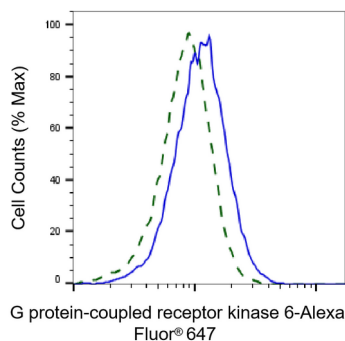
Image Data



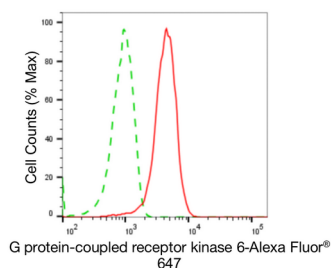
Western blotting analysis using G protein-coupled receptor kinase 6 antibody (KVA00737). G protein-coupled receptor kinase 6 expression in wild type (WT) and G protein-coupled receptor kinase 6 (GRK6) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with G protein-coupled receptor kinase 6 antibody (KVA00737, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using G protein-coupled receptor kinase 6 antibody (KVA00737). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with G protein-coupled receptor kinase 6 antibody (KVA00737, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of G protein-coupled receptor kinase 6 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with G protein-coupled receptor kinase 6 antibody (KVA00737, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of G protein-coupled receptor kinase 6 expression in HepG2 cells using G protein-coupled receptor kinase 6 antibody (KVA00737, 1:2,000). Green, isotype control; red, G protein-coupled receptor kinase 6.