

Rabbit GRK6 Polyclonal Antibody | anti-GRK6 antibody

GRK6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323884	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

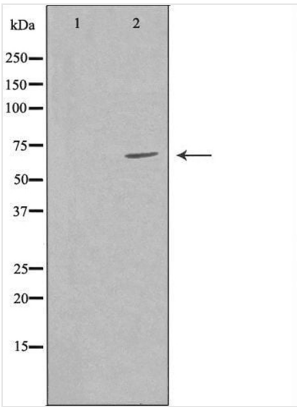
PRODUCT SYNONYMS

GRK6; Polyclonal Antibody; GRK6 Antibody; FLJ32135; G protein coupled receptor kinase 6; G protein coupled receptor kinase GRK6; G protein-coupled receptor kinase 6; G protein-coupled receptor kinase GRK6; Gprk6; Grk6; GRK6_HUMAN; anti-GRK6 antibody

PRODUCT SPECIFICATIONS

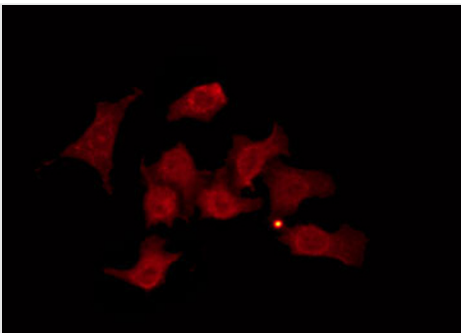
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GRK6 antibody detects endogenous levels of total GRK6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	560
Applicable Applications for anti-GRK6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using GRK6 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323884 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GRK6 antibody

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).
Post-translational Modifications: It is uncertain whether palmitoylation is on Cys-561 and/or Cys-562 and/or Cys-565.
Similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51896037
NCBI GeneID	2870
NCBI Accession #	NP_001004105.1
NCBI GenBank Nucleotide #	NM_001004105.2
UniProt Accession #	P43250; O60541; Q13652
Molecular Weight	Observed: 65 kD Predicted: 66 kDa
NCBI Official Full Name	G protein-coupled receptor kinase 6 isoform C
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 6
NCBI Official Symbol	GRK6
NCBI Official Synonym Symbols	GPRK6
NCBI Protein Information	G protein-coupled receptor kinase 6
UniProt Protein Name	G protein-coupled receptor kinase 6
UniProt Gene Name	GRK6
UniProt Synonym Gene Names	GPRK6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

