

Rabbit anti-Human GRK4 Polyclonal Antibody | anti-GRK4 antibody

GRK4 Antibody (C-term)

CATALOG # AAA289783	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

GRK4; Polyclonal Antibody; GRK4 Antibody (C-term); G protein-coupled receptor kinase 4; G protein-coupled receptor kinase GRK4; IT11; GPRK2L; GPRK4; anti-GRK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 549-577 amino acids from the C-terminal region of human GRK4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.78 (varies by lot)
Sequence Positions	549-577
Sequence Length	546
Applicable Applications for anti-GRK4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human testis tissue reacted with GRK4 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-GRK4 Pab in HL60 cell lysate. GRK4 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-GRK4 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK).
Product Categories/Family for anti-GRK4 antibody	Signal Transduction
References	Perroy, J., et al., EMBO J. 22(15):3816-3824 (2003). Watanabe, H., et al., Kidney Int. 62(3):790-798 (2002). Sallese, M., et al., J. Biol. Chem. 272(15):10188-10195 (1997). Premont, R.T., et al., J. Biol. Chem. 271(11):6403-6410 (1996). Sallese, M., et al., Biochem. Biophys. Res. Commun. 199(2):848-854 (1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	51873045
NCBI GeneID	2868
NCBI Accession #	NP_001004056.1; NP_001004057.1; NP_892027.2
NCBI GenBank Nucleotide #	NM_001004056.1
UniProt Accession #	P32298; O00641; O00642; Q13293; Q13294; Q13295; Q14453; Q14725; Q15313; Q15314; Q15315; Q15316
Molecular Weight	66583
NCBI Official Full Name	G protein-coupled receptor kinase 4 isoform beta
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 4
NCBI Official Symbol	GRK4
NCBI Official Synonym Symbols	IT11; GPRK4; GRK4a; GPRK2L
NCBI Protein Information	G protein-coupled receptor kinase 4
UniProt Protein Name	G protein-coupled receptor kinase 4
UniProt Gene Name	GRK4
UniProt Synonym Gene Names	GPRK2L; GPRK4
UniProt Entry Name	GRK4_HUMAN

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.