

Rabbit anti-Human, mouse GRK1 Polyclonal Antibody | anti-GRK1 antibody

GRK1 Antibody (C-term)

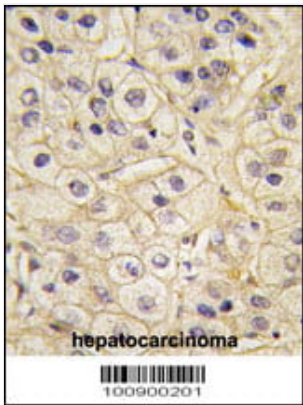
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288370	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

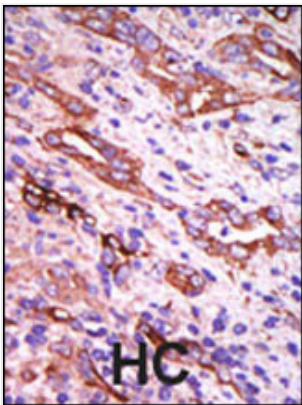
GRK1; Polyclonal Antibody; GRK1 Antibody (C-term); Rhodopsin kinase; RK; G protein-coupled receptor kinase 1; RHOK; anti-GRK1 antibody

PRODUCT SPECIFICATIONS

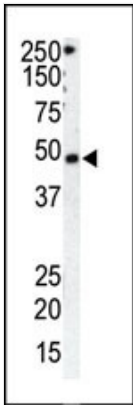
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 520-550 amino acids from the C-terminal region of human GRK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (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: 1.71 (varies by lot)
Sequence Positions	520-550
Sequence Length	563
Applicable Applications for anti-GRK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with GRK1 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.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-GRK1 Pab is used in Western blot to detect GRK1 in HeLa cell lysate (Lane 1) and mouse spleen tissue lysate (Lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-GRK1 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g 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). 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-GRK1 antibody	Neuroscience; Signal Transduction
References	Zhao, X., et al., J. Biol. Chem. 273(9):5124-5131 (1998). Zhao, X., et al., Vis. Neurosci. 14(2):225-232 (1997). Yamamoto, S., et al., Nat. Genet. 15(2):175-178 (1997). Khani, S.C., et al., Genomics 35(3):571-576 (1996). Lorenz, W., et al., Proc. Natl. Acad. Sci. U.S.A. 88(19):8715-8719 (1991).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506529
NCBI GeneID	6011
NCBI Accession #	NP_002920.1
NCBI GenBank Nucleotide #	NM_002929.2
UniProt Accession #	Q15835; Q53X14
Molecular Weight	63526
NCBI Official Full Name	rhodopsin kinase
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 1
NCBI Official Symbol	GRK1
NCBI Official Synonym Symbols	RK; RHOK; GPRK1
NCBI Protein Information	rhodopsin kinase
UniProt Protein Name	Rhodopsin kinase
UniProt Gene Name	GRK1
UniProt Synonym Gene Names	RHOK; RK
UniProt Entry Name	RK_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/grk1-antibody-western-blot-immunohistochemistry-elisa/288370>