

Rabbit GRK5 Polyclonal Antibody | anti-GRK5 antibody

GRK5 Antibody (C-term)

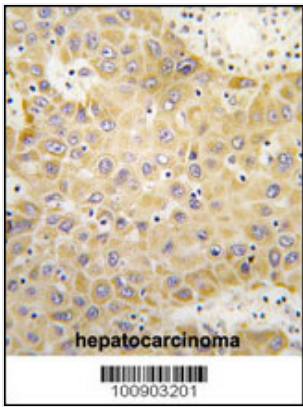
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290110	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

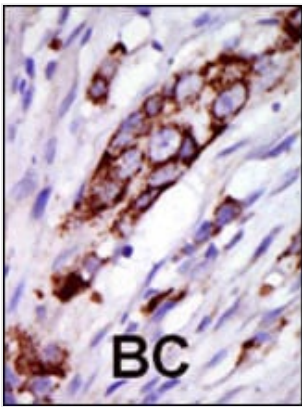
GRK5; Polyclonal Antibody; GRK5 Antibody (C-term); G protein-coupled receptor kinase 5; G protein-coupled receptor kinase GRK5; GPRK5; anti-GRK5 antibody

PRODUCT SPECIFICATIONS

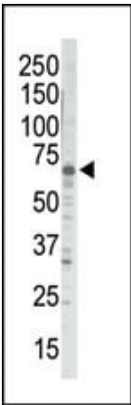
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRK5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 559-590 amino acids from the C-terminal region of human GRK5.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Positions	559-590
Sequence Length	590
Applicable Applications for anti-GRK5 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.



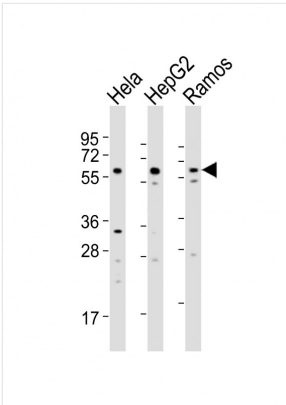
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with GRK5 Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



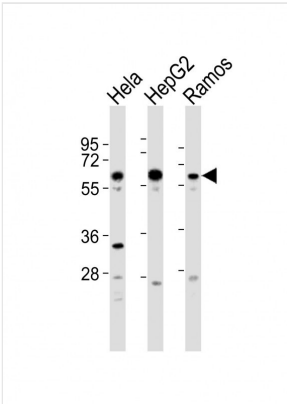
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-GRK5 Pab in mouse brain tissue lysate. GRK5 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



WB (Western Blot)
All lanes : Anti-GRK5 Antibody (N574) at 1:2000 dilutionLane 1: HeLa whole cell lysatesLane 2: HepG2 whole cell lysatesLane 3: Ramos whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 68 kDaBlocking/Dilution buffer: 5% NFDN/TBST.



WB (Western Blot)
All lanes : Anti-GRK5 Antibody (N574) at 1:2000 dilutionLane 1: HeLa whole cell lysatesLane 2: HepG2 whole cell lysatesLane 3: Ramos whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 68 kDaBlocking/Dilution buffer: 5% NFDN/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-GRK5 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-GRK5 antibody	Cardiovascular; Signal Transduction
References	Pronin, A.N., et al., J. Biol. Chem. 275(34):26515-26522 (2000). Pronin, A.N., et al., J. Biol. Chem. 273(47):31510-31518 (1998). Nagayama, Y., et al., J. Biol. Chem. 271(17):10143-10148 (1996). Kunapuli, P., et al., J. Biol. Chem. 269(2):1099-1105 (1994). Kunapuli, P., et al., Proc. Natl. Acad. Sci. U.S.A. 90(12):5588-5592 (1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885349
NCBI GeneID	2869
NCBI Accession #	NP_005299.1
NCBI GenBank Nucleotide #	NM_005308.2
UniProt Accession #	P34947; Q5T059; D3DRD0
Molecular Weight	67787
NCBI Official Full Name	G protein-coupled receptor kinase 5
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 5
NCBI Official Symbol	GRK5
NCBI Official Synonym Symbols	GPRK5
NCBI Protein Information	G protein-coupled receptor kinase 5
UniProt Protein Name	G protein-coupled receptor kinase 5
UniProt Gene Name	GRK5
UniProt Synonym Gene Names	GPRK5
UniProt Entry Name	GRK5_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grk5-antibody-immunohistochemistry-western-blot-elisa/290110>