

Rabbit anti-Human GRK7 Polyclonal Antibody | anti-GRK7 antibody

GRK7 Antibody (C-term)

CATALOG # AAA290012	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

GRK7; Polyclonal Antibody; GRK7 Antibody (C-term); G protein-coupled receptor kinase 7; G protein-coupled receptor kinase GRK7; GPRK7; anti-GRK7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRK7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 508-538 amino acids from the C-terminal region of human GRK7.
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 purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	508-538
Sequence Length	553
Applicable Applications for anti-GRK7 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 (Immunohistochemisry)

Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with GRK7 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 AEC 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-GRK7 Antibody (C-term) in HepG2 cell line lysates (35ug/lane).
GRK7 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GRK7 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 tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).
Product Categories/Family for anti-GRK7 antibody	Neuroscience; Signal Transduction
References	Weiss, E.R., et al., J. Neurosci. 21(23):9175-9184 (2001). Chen, C.K., et al., Mol. Vis. 7, 305-313 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21166359
NCBI GeneID	131890
NCBI Accession #	NP_631948.1
NCBI GenBank Nucleotide #	NM_139209.2
UniProt Accession #	Q8WTQ7
Molecular Weight	62212
NCBI Official Full Name	G protein-coupled receptor kinase 7
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 7
NCBI Official Symbol	GRK7
NCBI Official Synonym Symbols	GPRK7
NCBI Protein Information	G protein-coupled receptor kinase 7
UniProt Protein Name	G protein-coupled receptor kinase 7
UniProt Gene Name	GRK7
UniProt Synonym Gene Names	GPRK7
UniProt Entry Name	GRK7_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.