

Rabbit GRK 5 Polyclonal Antibody | anti-GRK5 antibody

GRK 5 Polyclonal Antibody

CATALOG # AAA294960	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

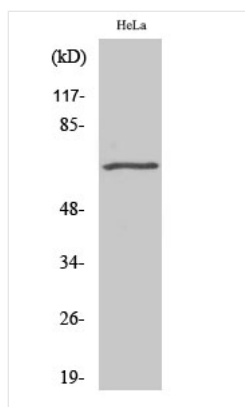
PRODUCT SYNONYMS

GRK 5; Polyclonal Antibody; GRK 5 Polyclonal Antibody; GRK5; GPRK5; G protein-coupled receptor kinase 5; G protein-coupled receptor kinase GRK5; anti-GRK5 antibody

PRODUCT SPECIFICATIONS

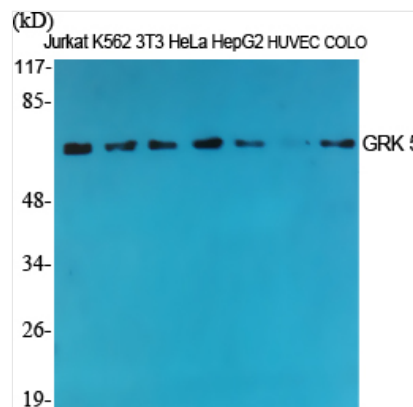
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-GRK5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000.
Not yet tested in other applications.



WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000.
Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-GRK5 antibody	Serine/threonine kinase that phosphorylates preferentially the activated forms of a variety of G-protein- coupled receptors (GPCRs). Such receptor phosphorylation initiates beta-arrestin-mediated receptor desensitization, internalization, and signaling events leading to their down-regulation. Phosphorylates a variety of GPCRs, including adrenergic receptors, muscarinic acetylcholine receptors (more specifically Gi-coupled M2/M4 subtypes), dopamine receptors and opioid receptors. In addition to GPCRs, also phosphorylates various substrates: Hsc70- interacting protein/ST13, TP53/p53, HDAC5, and arrestin-1/ARRB1. Phosphorylation of ARRB1 by GRK5 inhibits G-protein independent MAPK1/MAPK3 signaling downstream of 5HT4-receptors. Phosphorylation of HDAC5, a repressor of myocyte enhancer factor 2 (MEF2) leading to nuclear export of HDAC5 and allowing MEF2- mediated transcription. Phosphorylation of TP53/p53, a crucial tumor suppressor, inhibits TP53/p53-mediated apoptosis. Phosphorylation of ST13 regulates internalization of the chemokine receptor. Phosphorylates rhodopsin (RHO)(in vitro) and a non G-protein-coupled receptor, LRP6 during Wnt signaling (in vitro).
--	--

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	67,787 Da
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; FP2025; g protein-coupled receptor kinase GRK5
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/grk-5-antibody-immunohistochemistry-western-blot-elisa/294960>