

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

GRK7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324064	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

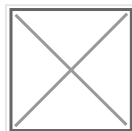
PRODUCT SYNONYMS

GRK7; Polyclonal Antibody; GRK7 Antibody; G protein coupled receptor kinase 7; G protein coupled receptor kinase GRK7; G protein-coupled receptor kinase 7; G protein-coupled receptor kinase GRK7; GPRK 7; GPRK7; GRK 7; GRK7_HUMAN; anti-GRK7 antibody

PRODUCT SPECIFICATIONS

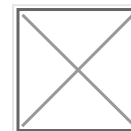
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GRK7 antibody detects endogenous levels of total GRK7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	553
Applicable Applications for anti-GRK7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Retinal cones, outer and inner segments.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (92%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using GRK7 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324064 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GRK7 antibody	Function: Retina-specific kinase involved in the shutoff of the photoresponse and adaptation to changing light conditions via cone opsin phosphorylation, including rhodopsin (RHO). Subunit Structure: Interacts (when prenylated) with PDE6D; this promotes release from membranes. Post-translational Modifications: Autophosphorylated in vitro at Ser-490. Phosphorylation at Ser-36 is regulated by light and activated by cAMP. Similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.
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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	Observed: 62 kD Predicted: 63 kDa
NCBI Official Full Name	rhodopsin kinase
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 7
NCBI Official Symbol	GRK7
NCBI Official Synonym Symbols	GPRK7
NCBI Protein Information	rhodopsin kinase
UniProt Protein Name	Rhodopsin kinase
UniProt Gene Name	GRK7
UniProt Synonym Gene Names	GPRK7

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/grk7-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324064>