

Rabbit GK Polyclonal Antibody | anti-GK antibody

GK Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284497	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

GK; Polyclonal Antibody; GK Antibody (N-term); Glycerol kinase; Glycerokinase; ATP:glycerol 3-phosphotransferase; anti-GK antibody

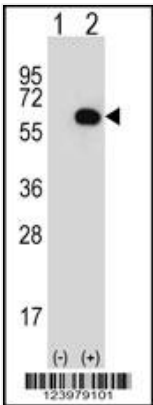
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-51 amino acids from the N-terminal region of human GK.
Purity/Purification	Peptide Affinity 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	24-51
Sequence Length	530
Applicable Applications for anti-GK 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 (Immunohiostchemistry)
GK Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GK Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of GK (arrow) using rabbit polyclonal GK Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GK gene.

ADDITIONAL INFORMATION

Related Product Information for anti-GK antibody	The product of this gene belongs to the FGGY kinase family of proteins and encodes glycerol kinase. Glycerol kinase is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Defects in this gene are the cause of glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been identified.
Product Categories/Family for anti-GK antibody	Cancer; Metabolism; Signal Transduction
References	Lu, Y., et al. J. Lipid Res. 49(12):2582-2589(2008) Zhang, Y.H., et al. Pediatr. Res. 59 (4 PT 1), 590-592 (2006) : Ohira, R.H., et al. Biochem. Biophys. Res. Commun. 331(1):239-246(2005) Stepanian, S.V., et al. Mol. Genet. Metab. 80(4):412-418(2003) Hellerud, C., et al. Clin. Chem. Lab. Med. 41(1):46-55(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504007
NCBI GeneID	2710
NCBI Accession #	NP_000158.1; NP_001121599.1; NP_001191948.1; NP_976325.1
NCBI GenBank Nucleotide #	NM_000167.5
UniProt Accession #	P32189; Q6IQ27; Q8IVR5; Q9UMP0; Q9UMP1; A6NJP5; B2R833
Molecular Weight	61245
NCBI Official Full Name	glycerol kinase isoform b
NCBI Official Synonym Full Names	glycerol kinase
NCBI Official Symbol	GK
NCBI Official Synonym Symbols	GK1; GKD
NCBI Protein Information	glycerol kinase
UniProt Protein Name	Glycerol kinase

UniProt Gene Name	GK
UniProt Synonym Gene Names	GK; Glycerokinase
UniProt Entry Name	GLPK_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/gk-antibody-immunohistochemistry-western-blot-elisa/284497>