

Rabbit anti-Human Glycerol kinase (GK) Monoclonal Antibody | anti-GK antibody

Glycerol kinase (GK) Rabbit mAb

CATALOG # AAA282693	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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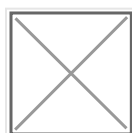
PRODUCT SYNONYMS

Glycerol kinase (GK); Monoclonal Antibody; Glycerol kinase (GK) Rabbit mAb; GK1; GKD; anti-GK antibody

PRODUCT SPECIFICATIONS

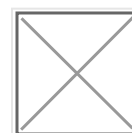
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	IPVVKPSMPE TTALGAAMAA GAAEGVGWVS LEPEDLSAVT MERFEPQINA EESEIRYSTW KKAVMKSMGW VTTQSPESGD PSIFCSLPLG FFIIVSSMVML IGARYISGIP
Applicable Applications for anti-GK antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 450-559 of human Glycerol kinase (GK)(P32189).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



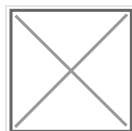
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse testis using Glycerol kinase (GK) Rabbit mAb (AAA282693) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



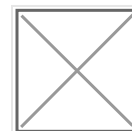
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat kidney using Glycerol kinase (GK) Rabbit mAb (AAA282693) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using Glycerol kinase (GK) Rabbit mAb (AAA282693) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of various lysates using Glycerol kinase (GK) Rabbit mAb (AAA282693) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-GK antibody	The protein encoded by this gene belongs to the FGGY kinase family. This protein 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. Mutations in this gene are associated with glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-GK antibody	Cancer; Signal Transduction; Endocrine Metabolism; Lipid Metabolism; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504007
NCBI GeneID	2710
NCBI Accession #	NP_000158.1
NCBI GenBank Nucleotide #	NM_000167.5
UniProt Accession #	P32189; Q6IQ27; Q8IVR5; Q9UMP0; Q9UMP1; A6NJP5; B2R833
Molecular Weight	Calculated MW: 61kDa Observed MW: 61kDa
UniProt Protein Name	Glycerol kinase
UniProt Gene Name	GK
UniProt Synonym Gene Names	GK
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/monoclonal/glycerol-kinase-gk-antibody-immunohistochemistry-western-blot-elisa/282693>