

Rabbit anti-Human GK2 Polyclonal Antibody | anti-GK2 antibody

GK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321209	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

GK2; Polyclonal Antibody; GK2 Antibody; ATP:glycerol 3 phosphotransferase; EC 2.7.1.30; GK 2; GK; GKP2; GKTA; Glycerokinase; Glycerol kinase 2; Glycerol kinase testis specific 2; anti-GK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GK2 antibody detects endogenous levels of GK2
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-GK2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GK2
Subcellular Location	Mitochondrion Outer Membrane; Peripheral Membrane Protein; Cytoplasmic side (By similarity). Cytoplasm (By similarity). In sperm the majority of the enzyme is bound to mitochondria.
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (82%)
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 on HeLa cell lysate using GK2 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321209 staining HeLa 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-GK2 antibody	Description: GK2 Key enzyme in the regulation of glycerol uptake and metabolism. Belongs to the FGGY kinase family. Function: Key enzyme in the regulation of glycerol uptake and metabolism. Similarity: Belongs to the FGGY kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41393575
NCBI GeneID	2712
NCBI Accession #	NP_149991.2
NCBI GenBank Nucleotide #	NM_033214.2
UniProt Accession #	Q14410; Q6PD73; Q86XV8; A8K876
Molecular Weight	Observed: 61 kDa Predicted: 61 kDa
NCBI Official Full Name	glycerol kinase 2
NCBI Official Synonym Full Names	glycerol kinase 2
NCBI Official Symbol	GK2
NCBI Official Synonym Symbols	GKP2; GKTA
NCBI Protein Information	glycerol kinase 2
UniProt Protein Name	Glycerol kinase 2
UniProt Gene Name	GK2
UniProt Synonym Gene Names	GKP2; GKTA; GK 2; Glycerokinase 2

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/gk2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321209>