

Mouse GCK Monoclonal Antibody | anti-GCK antibody

GCK antibody

CATALOG # AAA74896	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

GCK; Monoclonal Antibody; GCK antibody; Monoclonal GCK; Anti-GCK; MAP4K2; Mitogen-Activated Protein Kinase 2; BL44; RAB8IP; anti-GCK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3 E3
Purity/Purification	GCK antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	464
Applicable Applications for anti-GCK antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	GCK is a member of the serine/threonine protein kinase family. Although this kinase is found in many tissues, its expression in lymphoid follicles is restricted to the cells of germin al centre, where it may participate in B-cell differentiation. This kinase can be activated by TNF-alpha, and has been shown to specifically activate MAP kinases. This kinase is also found to interact with TNF receptor-associated factor 2 (TRAF2), which is involved in the activation of MAP3K1/MEKK1.
Cross-Reactivity	Human
Immunogen	GCK antibody was raised in mouse using a protein expressed in 293T cell transfected with human GCK expression vector as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of GCK protein in paraffin embedded Adenocarcinoma of Human breast tissue using GCK antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant GCK protein (Right) or empty vector (Left) detected with GCK antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GCK antibody	Mouse monoclonal GCK antibody
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Product Categories/Family for anti-GCK antibody

Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	15967161
NCBI GeneID	2645
NCBI Accession #	NP_277043.1
NCBI GenBank Nucleotide #	NM_033508.1
UniProt Accession #	P35557; Q05810; A4D2J2; A4D2J3
Molecular Weight	52,035 Da
NCBI Official Full Name	glucokinase isoform 3
NCBI Official Synonym Full Names	glucokinase (hexokinase 4)
NCBI Official Symbol	GCK
NCBI Official Synonym Symbols	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3
NCBI Protein Information	glucokinase
UniProt Protein Name	Glucokinase
UniProt Gene Name	GCK
UniProt Synonym Gene Names	HK IV; HK4
UniProt Entry Name	HXK4_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/gck-antibody-clone-3-e3-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74896>