

Product Data Sheet

Anti-Glycerol Kinase 1 Antibody

Catalog #	Source	Reactivity	Applications
CPA5137	Rabbit	H, M, R, B	WB, IH
Description	Rabbit polyclonal antibody to Glycerol Kinase 1		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Glycerol Kinase 1. The exact sequence is proprietary.		
Purification	The antibody was purified by affinity chromatography.		
Specificity	Recognizes endogenous levels of Glycerol Kinase 1 protein.		
Clonality	Polyclonal		
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)		
Gene Symbol	GK		
Alternative Names	GK; Glycerol kinase; GK; Glycerokinase; ATP:glycerol 3-phosphotransferase; GK3P; GKP3; GKTB; Putative glycerol kinase 3; GK 3; Glycerokinase 3; ATP:glycerol 3-phosphotransferase 3; Glycerol kinase, testis specific 1		
Entrez Gene	2713 (Human)		
SwissProt	P32189, Q14409 (Human)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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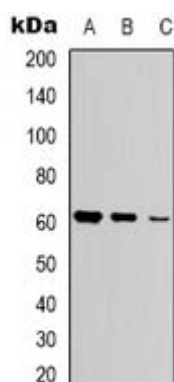
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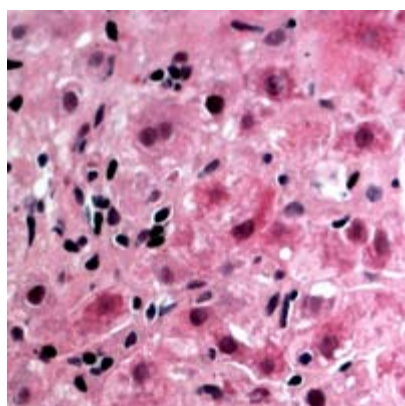
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Western blot analysis of Glycerol Kinase 1 expression in Jurkat (A), HepG2 (B), HEK293T (C) whole cell lysates.



Immunohistochemical analysis of Glycerol Kinase 1 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugate compact polymer system. AEC was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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