

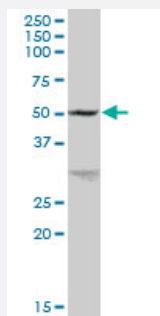
MaxPab®

GK purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002710-B01P

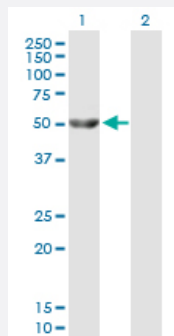
Size 50 ug

Applications



Western Blot (Tissue lysate)

GK MaxPab polyclonal antibody. Western Blot analysis of GK expression in human placenta.

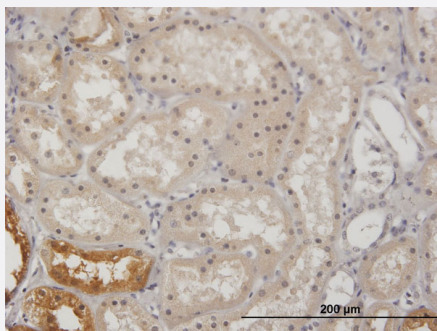


Western Blot (Transfected lysate)

Western Blot analysis of GK expression in transfected 293T cell line ([H00002710-T01](#)) by GK MaxPab polyclonal antibody.

Lane 1: GK transfected lysate(57.64 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to GK on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GK protein.

Immunogen	GK (NP_000158.1, 1 a.a. ~ 524 a.a) full-length human protein.
Sequence	MAASKKAVLGPLVGAVDQGTSSSTRFLVFNSKTAELLSHHQVEIKQEFPREGWVEQDPKEILHSVY ECIEKTCEKLGQLNIDISNIKAIGVSNQRETTVVWDKITGEPLYNNAVWLDLRTQSTVESLSKRIPGN NNFVKSKTGLPLSTYFSAVKLRWLLDNVRKVQKAVEEKRALFGTIDSWLWLSLTGGVNNGGVHCTD VTNASRTMLFNIHSLEWDKQLCEFFGIPMEILPNVRSSSEIYGLMKAGALEGVPISGCLGDQSAAL VGQMCQFQIGQAKNTYGTGCFLLCNTGHKCVFSDHGLLTTVAYKLGRDKPVYYALEGSVAIAGAVIR WLRDNLGIKTSEEIEKLAKEVGTSYGCYFVPAFSGLYAPYWEPSARGIICGLTQFTNKCHIAFAALE AVCFQTREILDAMNRDCGIPLSHLQVDGGMTSNKILMQLQADILYIPVVKPSPMPETTALGAAMAAG AAEGVGVWSLEPEDLSAVTMERFEPQINAESEIRYSTWKKAVMKSMGWVTTQSPESGIP
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Gene Info — GK

Entrez GeneID

[2710](#)

GeneBank Accession#	NM_000167.3
Protein Accession#	NP_000158.1
Gene Name	GK
Gene Alias	GK1, GKD
Gene Description	glycerol kinase
Omim ID	300474 307030
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	ATP:glycerol 3-phosphotransferase glycerokinase

Pathway

- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)