

Datasheet for ABIN2786452

anti-Glycerol Kinase antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	Glycerol Kinase (GK)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glycerol Kinase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human GK
Sequence:	MAAGAAEGVG VWSLEPEDLS AVTMERFEPQ INAESEIRY STWKKAVMKS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against GK. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Glycerol Kinase (GK)
Alternative Name:	GK (GK Products)

Target Details

Background:	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. Alias Symbols: GK1, GKD Protein Interaction Partner: CLPTM1L, OPLAH, FBXO28, IPO13, RXRA, NR4A1, GPD1, EIF4G1, CYP3A4, APCS, AOX1, UBC, Protein Size: 530
Molecular Weight:	58 kDa
Gene ID:	2710
NCBI Accession:	NM_203391 , NP_976325
UniProt:	A6NJP5

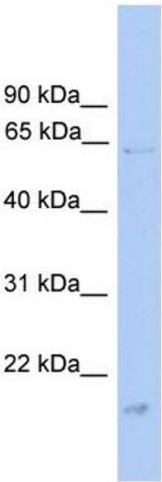
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 530 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-GK Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: U937 cell lysate