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Datasheet for ABIN2783239
anti-PGK1 antibody (N-Term)

3 Images

Overview

Quantity:	100 µL
Target:	PGK1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Dog, Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PGK1
Sequence:	PEVEKACANP AAGSVILLEN LRFHVEEEEGK GKDASGNKVK AEPKIEAFR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 86%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against PGK1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PGK1
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Target Details

Alternative Name: [PGK1 \(PGK1 Products\)](#)

Background: PGK1 is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The protein may also act as a cofactor for polymerase alpha. The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. A pseudogene of this gene has been found on the X-chromosome and another on chromosome 19. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. A pseudogene of this gene has been found on the X-chromosome and another on chromosome 19. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: MGC117307, MGC142128, MGC8947, MIG10, PGKA

Protein Interaction Partner: FUS, HUWE1, UBC, SUMO2, SUMO3, MDM2, ASB9, YWHAQ, UBD, BAG3, HDAC6, FN1, IQCB1, HSP90AB1, HSP90AA1, TRAF3IP1, BOLA2B, HTATSF1, TUBA4A, TPI1, OXCT1, GAPDH, ENO1, ATP5A1, ALDOA, CDK2, COPS5, ISG15, SIRT7, SUMO1, SUMO4, RAD21, DISC1, PSMA3, PCNA, AI837181, C

Protein Size: 417

Molecular Weight: 44 kDa

Gene ID: 5230

NCBI Accession: [NM_000291](#), [NP_000282](#)

UniProt: [P00558](#)

Pathways: [Cellular Glucan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

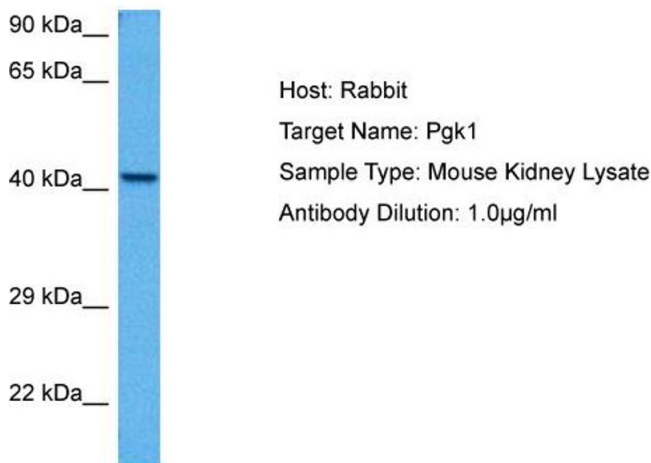
Comment: Antigen size: 417 AA

Restrictions: For Research Use only

Handling

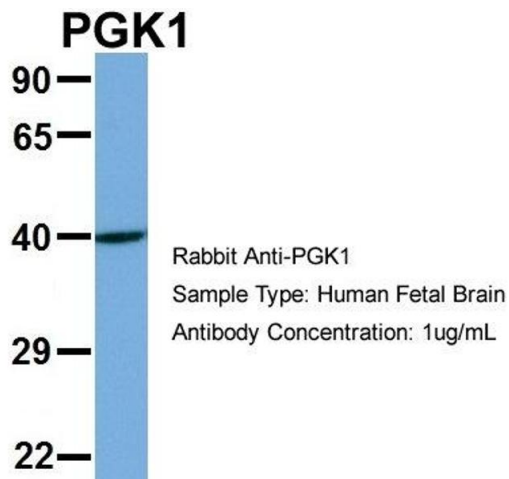
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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.

Images



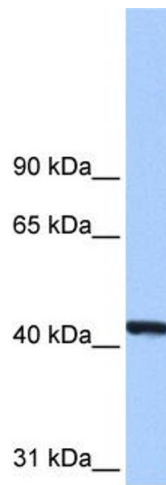
Western Blotting

Image 1. Host: Rabbit Target Name: PGK1 Sample Tissue: Mouse Kidney Antibody Dilution: 1ug/ml



Western Blotting

Image 2. Host: Rabbit Target Name: PGK1 Sample Type: Human Fetal Brain Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. WB Suggested Anti-PGK1 Antibody Titration: 0.2-1 ug/ml Positive Control: HeLa cell lysate PGK1 is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells