Datasheet for ABIN2782359

anti-PFKL antibody (Middle Region)

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Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PFKL
Sequence:	RTNVLGHLQQ GGAPTPFDRN YGTKLGVKAM LWLSEKLREV YRKGRVFANA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 79%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against PFKL. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	PFKL

Target Details

Alternative Name:	PFKL (PFKL Products)
Background:	Phosphofructokinase (PFK) is a tetrameric enzyme that catalyzes a key step in glycolysis, namely the conversion of D-fructose 6-phosphate to D-fructose 1,6-bisphosphate. PFK from muscle is a homotetramer of M subunit, PFK from liver is a homotetramer of L-subunits, while PFK from platelets can be composed of any tetrameric combination of M and L subunits. PFKL represents the L subunit. Alias Symbols: DKFZp686G1648, DKFZp686L2097, FLJ30173, FLJ40909, PFK-B Protein Interaction Partner: KRTAP10-7, GTPBP3, PFKL, KRTAP5-9, FUS, STAU1, UBC, EGFR, RNF2, rev, ZC3HC1, PSMD9, FBXO6, YWHAQ, HDAC6, PRPF40A, TESK1, PFKM, MYD88, ITGA4, FN1, PCBP3, PRDX3, PFKP, APP, ATN1, RAD21, SNW1, TERF2, ATG101, TAF13, TAF10, DMWD, COPS6, KRTAP4-12, Protein Size: 568
Molecular Weight:	64 kDa
Gene ID:	5211
NCBI Accession:	NM_002626
UniProt:	P17858
Pathways:	Negative Regulation of Hormone Secretion, Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 568 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.

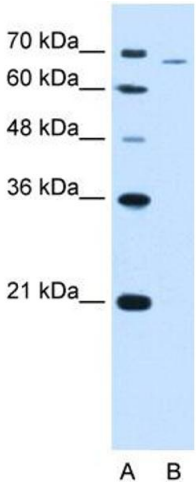
Handling

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.

Publications

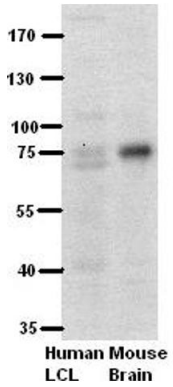
Product cited in:	Rayegan, Dehpour, Sharifi: "Studying neuroprotective effect of Atorvastatin as a small molecule drug on high glucose-induced neurotoxicity in undifferentiated PC12 cells: role of NADPH oxidase." in: **Metabolic brain disease**, Vol. 32, Issue 1, pp. 41-49, (2016) (PubMed). Kuwano, Kawahara, Yamamoto, Teshima-Kondo, Tominaga, Masuda, Kishi, Morita, Rokutan: " Interferon-gamma activates transcription of NADPH oxidase 1 gene and upregulates production of superoxide anion by human large intestinal epithelial cells." in: **American journal of physiology. Cell physiology**, Vol. 290, Issue 2, pp. C433-43, (2006) (PubMed).

Images



Western Blotting

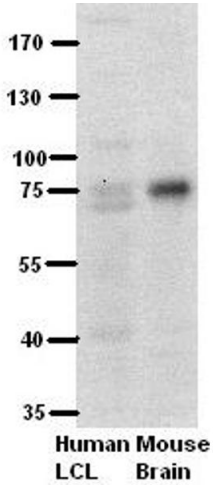
Image 1. WB Suggested Anti-PFKL Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate PFKL is supported by BioGPS gene expression data to be expressed in HepG2



(ARP45774_T100)
PFKL
Western Blot
Human LCL and Mouse Brain
Dilution: 1 to 500
5% Milk
Application data in forum

Submitted by:
Katheleen Gardiner
University of Colorado Denver

Image 2.



Western Blotting

Image 3. WB Suggested Anti-PFKL Antibody Titration: 5% Milk ELISA Titer: dilution: 1:500 Positive Control: human LCL and mouse brains