

Datasheet for ABIN2788704
anti-PFKM antibody (C-Term)



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Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PFKM
Sequence:	RALVFQPVAE LKDQTDFEHR IPKEQWWLKL RPILKILAKY EIDLDTSDHA
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against PFKM. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PFKM
Alternative Name:	PFKM (PFKM Products)

Target Details

Background:	Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. These isozymes function as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose-1,6-bisphosphate. Tetramer composition varies depending on tissue type. This gene encodes the muscle-type isozyme. Mutations in this gene have been associated with glycogen storage disease type VII, also known as Tarui disease. Alternatively spliced transcript variants have been described. Alias Symbols: GSD7, MGC8699, PFK-1, PFK1, PFKA, PFKX Protein Interaction Partner: UBC, SIAH1, PFKM, SUMO2, EGFR, DCP2, DCP1A, TUBB2A, PFKP, PCBP1, UBTD1, FBXO6, LSM7, PFKL, NDUFB2, Hoxa1, CUL3, MAPK3, PCNA, SUMO1, ATP6V0A4, FHL2, DYNLL1, CAV3, NOS1, HGS, Protein Size: 780
Molecular Weight:	85 kDa
Gene ID:	5213
NCBI Accession:	NM_000289 , NP_000280
UniProt:	P08237
Pathways:	Positive Regulation of Peptide Hormone Secretion , Negative Regulation of Hormone Secretion , Carbohydrate Homeostasis , Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 780 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.

Images

