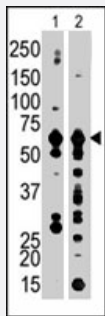


PFKFB3 polyclonal antibody

Catalog # PAB4017

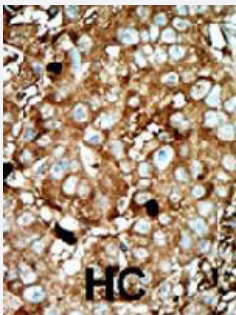
Size 400 uL

Applications



Western Blot

The PFKFB3 polyclonal antibody (Cat # PAB4017) is used in Western blot to detect PFKFB3 in Jurkat cell lysate (Lane 1) and mouse brain tissue lysate (Lane 2) .



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PFKFB3 polyclonal antibody (Cat # PAB4017) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PFKFB3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PFKFB3.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

The PFKFB3 polyclonal antibody (Cat # PAB4017) is used in Western blot to detect PFKFB3 in Jurkat cell lysate (Lane 1) and mouse brain tissue lysate (Lane 2) .

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

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This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PFKFB3

Entrez GeneID	5209
Protein Accession#	Q16875
Gene Name	PFKFB3
Gene Alias	IPFK2, PFK2
Gene Description	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
Omim ID	605319
Gene Ontology	Hyperlink
Gene Summary	O

Other Designations

6-phosphofructo-2-kinase/ fructose-2,6-bisphosphatase|6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase|OTTHUMP00000019040|OTTHUMP00000044861|fructose-6-phosphate,2-kinase/fructose-2, 6-bisphosphatase|inducible 6-phosphofructo-2-kinase/fructose-2,6-bi

Publication Reference

- [The human ubiquitous 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase gene \(PFKFB3\): promoter characterization and genomic structure.](#)

Navarro-Sabate A, Manzano A, Riera L, Rosa JL, Ventura F, Bartrons R.

Gene 2001 Feb; 264(1):131.

- [An inducible gene product for 6-phosphofructo-2-kinase with an AU-rich instability element: role in tumor cell glycolysis and the Warburg effect.](#)

Chesney J, Mitchell R, Benigni F, Bacher M, Spiegel L, Al-Abed Y, Han JH, Metz C, Bucala R.

PNAS 1999 Mar; 96(6):3047.

Application: WB-Ce, WB-Tr, Human, HL-60, Human peripheral blood leukocytes, K-562, KG1a, MOLT4 cells

- [Characterization of a human placental fructose-6-phosphate, 2-kinase/fructose-2,6-bisphosphatase.](#)

Sakakibara R, Kato M, Okamura N, Nakagawa T, Komada Y, Tominaga N, Shimojo M, Fukasawa M.

Journal of Biochemistry 1997 Jul; 122(1):122.

Pathway

- [Fructose and mannose metabolism](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)