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PFKFB1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8147c

Specification

PFKFB1 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P16118
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54681**
Antigen Region	**259-289**

PFKFB1 Antibody (Center) - Additional Information

Gene ID 5207

Other Names
6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase 1, 6PF-2-K/Fru-2, 6-P2ase 1, PFK/FBPase 1, 6PF-2-K/Fru-2, 6-P2ase liver isozyme, 6-phosphofructo-2-kinase, Fructose-2, 6-bisphosphatase, PFKFB1, F6PK, PFRX

Target/Specificity
This PFKFB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-289 amino acids from the Central region of human PFKFB1.

Dilution
WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PFKFB1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PFKFB1 Antibody (Center) - Protein Information

Name PFKFB1 (HGNC:8872)

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Synonyms F6PK, PFRX

Function Synthesis and degradation of fructose 2,6-bisphosphate.

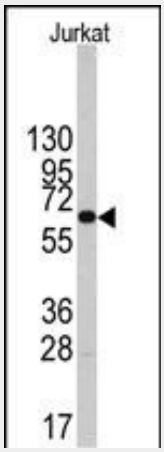
Tissue Location
Liver.

PFKFB1 Antibody (Center) - Protocols

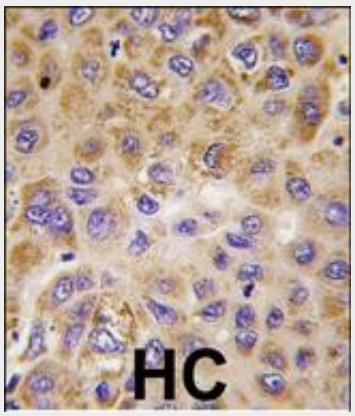
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PFKFB1 Antibody (Center) - Images



Western blot analysis of anti-PFKFB1 Antibody (Center) (Cat.#AP8147c) in Jurkat cell line lysates (35ug/lane). PFKFB1(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PFKFB1

antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

PFKFB1 Antibody (Center) - Background

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK).

PFKFB1 Antibody (Center) - References

Algaier, J., et al., Biochem. Biophys. Res. Commun. 153(1):328-333 (1988). Lange, A.J., et al., Nucleic Acids Res. 18 (12), 3652 (1990).