

Datasheet for ABIN5533634
anti-PFKFB4 antibody (AA 266-296)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	PFKFB4
Binding Specificity:	AA 266-296
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFKFB4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PFKFB4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-296 amino acids from the Central region of human PFKFB4.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	PFKFB4
Alternative Name:	PFKFB4 (PFKFB4 Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this

Target Details

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).

Molecular Weight: 54 kDa

Gene ID: 5210

UniProt: [Q16877](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2 mg/mL

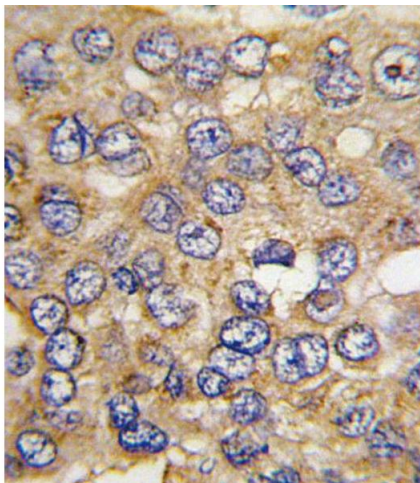
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

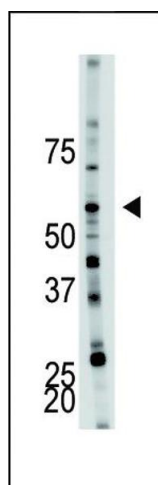
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PFKFB4 antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Antibody is used in Western blot to detect PFKFB4 in mouse brain tissue lysate.