Rabbit anti-Human, Mouse PFKFB2 Polyclonal Antibody | anti-PFKFB2 antibody

PFKFB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320978	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

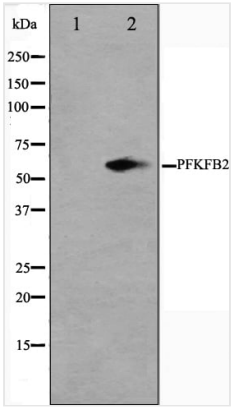
PRODUCT SYNONYMS

PFKFB2; Polyclonal Antibody; PFKFB2 Antibody; 6 phosphofructo 2 kinase/fructose 2; 6 bisphosphatase; 6 biphosphatase 3; 6-bisphosphatase; 6-P2ase 3; 6-P2ASE brain/placenta-type isozyme; 6PF 2 K/Fru 2; 6 P2ASE brain/placenta type isozyme; 6PF 2-K/Fru 2; 6 P2ase 3; 6PF-2-K/Fru-2; F263_HUMAN; fructose 6 phosphate; 2 kinase/fructose 2; Fructose-2; Inducible 6 phosphofructo 2 kinase/fructose 2; iPFK 2; iPFK-2; IPFK2; PFK/FBPase 3; PFK2; PFKFB3; Renal carcinoma antigen NY REN 56; Renal carcinoma antigen NY-REN-56; uPFK 2; anti-PFKFB2 antibody

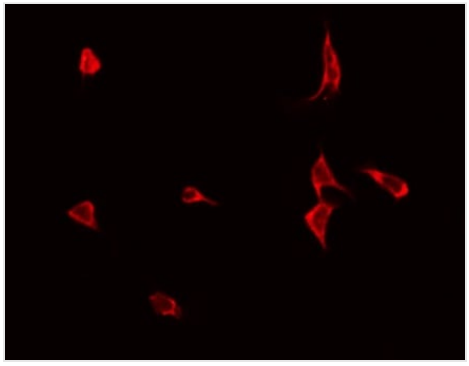
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PFKFB2 antibody detects endogenous levels of total PFKFB2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	471
Applicable Applications for anti-PFKFB2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PFKFB2
Tissue Specificity	Heart.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis on 293 cell lysate using PFKFB2 Antibody, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA320978 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PFKFB2 antibody	Description: PFKFB2 a bifunctional heterodimeric enzyme involved in both the synthesis and degradation of fructose-2, 6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. Regulates fructose-2, 6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2, 6-bisphosphate levels in the liver and muscle. Function: Synthesis and degradation of fructose 2, 6-bisphosphate. Subunit Structure: Homodimer. Post-translational Modifications: Phosphorylation by AMPK stimulates activity. Similarity: In the C-terminal section; belongs to the phosphoglycerate mutase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	64762445
NCBI GeneID	5208
NCBI Accession #	NP_001018063.1
NCBI GenBank Nucleotide #	NM_001018053.1
UniProt Accession #	O60825; O60824; Q5VVQ3; Q5VVQ4; Q9H3P1
Molecular Weight	Observed: 58 kDa Predicted: 59 kDa
NCBI Official Full Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 isoform b
NCBI Official Synonym Full Names	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2
NCBI Official Symbol	PFKFB2
NCBI Official Synonym Symbols	PFK-2/FBPase-2
NCBI Protein Information	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2
UniProt Protein Name	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2
UniProt Gene Name	**PFKFB2**
UniProt Synonym Gene Names	6PF-2-K/Fru-2,6-P2ase 2; PFK/FBPase 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.