

Rabbit PFKFB2 Polyclonal Antibody | anti-PFKFB2 antibody

Phospho-PFKFB2 (Ser466) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329853	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PFKFB2; Polyclonal Antibody; Phospho-PFKFB2 (Ser466) Antibody; 6 phosphofructo 2 kinase/ fructose 2; 6 bisphosphatase; 6 phosphofructo 2 kinase/fructose 2; 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, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-PFKFB2 (Ser466) Antibody detects endogenous levels of PFKFB2 only when phosphorylated at Ser466. Tissue Specificity: Heart.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PFKFB2 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PFKFB2 around the phosphorylation site of Ser466.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation by AMPK stimulates activity.
Subunit Structure	Homodimer.
Similarity	In the C-terminal section; belongs to the phosphoglycerate mutase family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

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.



IHC (Immunohistochemistry)

Staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of PFKFB2 (Phospho-Ser466) using EGF treated 293 whole cell lysates. -/+ means absence or presence of N peptide (non-phospho peptide) and P peptide (phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-PFKFB2 antibody	Synthesis and degradation of fructose 2,6-bisphosphate.
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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	58,477 Da
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-bisphosphatase 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; PFK/FBPase 2; PFKFB, cardiac; 6PF-2-K/Fru-2,6-P2ase 2; 6PF-2-K/Fru-2,6-P2ASE heart-type isozyme; fructose-2,6-bisphosphatase, cardiac isozyme
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
UniProt Entry Name	F262_HUMAN

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.