ARG40809
anti-PFKFB2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PFKFB2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PFKFB2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 446-505 of Human PFKFB2 (NP_006203.2).
Conjugation	Un-conjugated
Alternate Names	6PF-2-K/Fru-2,6-P2ase heart-type isozyme; 6PF-2-K/Fru-2,6-P2ase 2; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2; PFK-2/FBPase-2; PFK/FBPase 2; EC 3.1.3.46; EC 2.7.1.105

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Rat liver
Observed Size	54 kDa

Properties

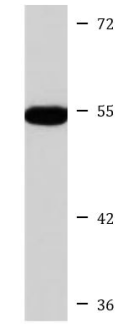
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PFKFB2
Gene Full Name	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2
Background	The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-biphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein 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. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Synthesis and degradation of fructose 2,6-bisphosphate. [UniProt]
Calculated Mw	58 kDa
PTM	Phosphorylation by AMPK stimulates activity. [UniProt]

Images



ARG40809 anti-PFKFB2 antibody WB image

Western blot: 25 µg of Rat liver lysate stained with ARG40809 anti-PFKFB2 antibody at 1:1000 dilution.