ARG45436
anti-PFKFB1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PFKFB1
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PFKFB1
Species	Human
Immunogen	Recombinant protein containing to human PFKFB1.
Conjugation	Un-conjugated
Alternate Names	PFKFB1; 6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 1; PFRX; 6-Phosphofructo-2-Kinase/Fructose-2,6-Bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; F6PK; Fructose-6-Phosphate,2-Kinase:Fructose-2,6-Bisphosphatase; 6PF-2-K/Fru-2,6-P2ASE Liver Isozyme; 6PF-2-K/Fru-2,6-P2ase Liver Isozyme; HL2K

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	55 kDa

Properties

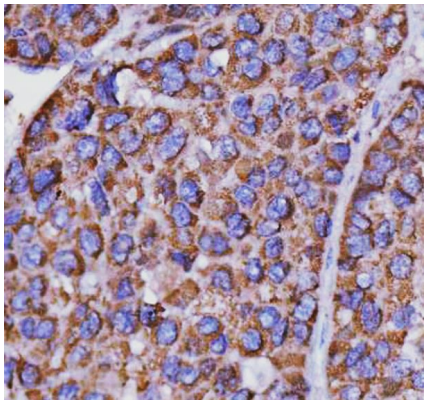
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in 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

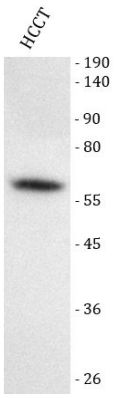
Gene Symbol	PFKFB1
Gene Full Name	6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 1
Background	This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains. Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2012]
Function	Synthesis and degradation of fructose 2,6-bisphosphate. [UniProt]
Calculated Mw	55 kDa

Images



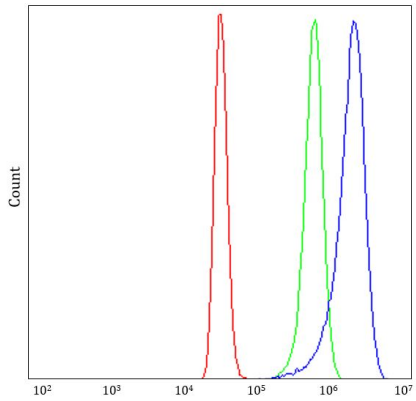
ARG45436 anti-PFKFB1 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG45436 anti-PFKFB1 antibody at 2 µg/ml dilution.



ARG45436 anti-PFKFB1 antibody WB image

Western blot: HCCT stained with ARG45436 anti-PFKFB1 antibody at 0.5 µg/ml dilution.



ARG45436 anti-PFKFB1 antibody FACS image

Flow Cytometry: HepG2 stained with ARG45436 anti-PFKFB1 antibody at 1 µg/10^6 cells dilution.