

Immunotag™ PFK-C Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3686
Product Description	Immunotag™ PFK-C Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PFK-C
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat,Monkey
Host Species	Rabbit
Immunogen	Synthesized peptide derived from PFK-C, at AA range: 310-390
Specificity	PFK-C Polyclonal Antibody detects endogenous levels of PFK-C protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PFKP
Accession No.	Q01813 Q9WUA3 P47860
Alternate Names	PFKP; PFKF; 6-phosphofructokinase type C; 6-phosphofructokinase; platelet type; Phosphofructo-1-kinase isozyme C; PFK-C; Phosphofructokinase 1; Phosphohexokinase

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Description	phosphofructokinase, platelet(PFKP) Homo sapiens This gene encodes a member of the phosphofructokinase A protein family. The encoded enzyme is the platelet-specific isoform of phosphofructokinase and plays a key role in glycolysis regulation. This gene may play a role in metabolic reprogramming in some cancers, including clear cell renal cell carcinomas, and cancer of the bladder, breast, and lung. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016],
Cell Pathway/ Category	Glycolysis / Gluconeogenesis,Pentose phosphate pathway,Fructose and mannose metabolism,Galactose metabolism,
Protein Expression	Brain,Epithelium,Kidney,Pancreatic islet,Placenta,Prostate,
Subcellular Localization	nucleus,cytoplasm,cytosol,cell-cell adherens junction,membrane,extracellular matrix,extracellular exosome,
Protein Function	catalytic activity:ATP + D-fructose 6-phosphate = ADP + D-fructose 1,6-bisphosphate.,cofactor:Magnesium.,enzyme regulation:Allosteric enzyme activated by ADP, AMP, or fructose bisphosphate and inhibited by ATP or citrate.,miscellaneous:In human PFK exists as a system of 3 types of subunits, PFKM (muscle), PFKL (liver) and PFKP (platelet) isoenzymes.,pathway:Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 3/4.,similarity:Belongs to the phosphofructokinase family. Two domains subfamily.,subunit:Tetramer. Muscle is M4, liver is L4, and red cell is M3L, M2L2, or ML3. A subunit composition with a higher proportion of platelet type subunits is found in platelets, brain and fibroblasts.,
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