RecomAb™

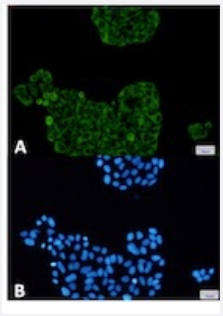
PFKP recombinant monoclonal antibody, clone R05-4H9

Catalog # RAB02007 Size 100 uL

Applications

Western Blot

Western blot analysis of Lane 1: C6, Lane 2: 3T3 and Lane 3: Hela lysates with PFKP recombinant monoclonal antibody, clone R05-4H9 (Cat # RAB02007).



Immunocytochemistry

Immunocytochemical staining of Hela with PFKP recombinant monoclonal antibody, clone R05-4H9 (Cat # RAB02007). (A) PFKP (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PFKP.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human PFKP.
Theoretical MW (kDa)	Calculated MW: 86 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western blot analysis of Lane 1: C6, Lane 2: 3T3 and Lane 3: Hela lysates with PFKP recombinant monoclonal antibody, clone R05-4H9 (Cat # RAB02007).

- Immunocytochemistry

  Immunocytochemical staining of Hela with PFKP recombinant monoclonal antibody, clone R05-4H9 (Cat # RAB02007). (A) PFKP (green) and (B) DAPI (blue).

- Immunofluorescence

- Immunoprecipitation

Gene Info — PFKP

Entrez GeneID	5214
Protein Accession#	Q01813
Gene Name	PFKP
Gene Alias	FLJ40226, PFK-C, PFKF
Gene Description	phosphofructokinase, platelet

Omim ID	171840
Gene Ontology	Hyperlink
Gene Summary	The PFKP gene encodes the platelet isoform of phosphofructokinase (PFK) (ATP:D-fructose-6-phosphate-1-phosphotransferase, EC 2.7.1.11). PFK catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. The PFKP gene, which maps to chromosome 10p, is also expressed in fibroblasts. See also the muscle (PFKM; MIM 610681) and liver (PFKL; MIM 171860) isoforms of phosphofructokinase, which map to chromosomes 12q13 and 21q22, respectively. Vora (1981) [PubMed 6451249] determined that full tetrameric phophofructokinase enzyme expressed in platelets can be composed of subunits P4, P3L, and P2L2.[supplied by OMIM
Other Designations	OTTHUMP00000018966|Phosphofructokinase, platelet type

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Fructose and mannose metabolism
- Galactose metabolism
- Glycolysis / Gluconeogenesis
- Metabolic pathways
- Pentose phosphate pathway

Disease

- Alzheimer Disease
- Birth Weight

- Cardiovascular Diseases
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Obesity
- Overweight