

Anti-PFKP Antibody (7C89)

Product Details

Ig Type:	IgG1, k
Reactivity:	Human, Mouse (predicted: Monkey)
Molecular Weight:	Theoretical: 86 kDa. Actual: 86 kDa.
Clone:	7C89
Purification:	Protein G purified

Applications

Sample:	Lane 1: Hela cell lysates Lane 2: Jurkat cell lysates Lane 3: COS-7 cell lysates
Verified Activity:	Lane 4: Mouse heart tissue lysates Primary: Anti-PFKP (TMAB-10226) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 86 kD Observed band size: 86 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human PFKP between 40-300 amino acids
Antigen Species:	Human
Gene ID:	5214
Uniprot ID:	Q01813

Research Background

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 phosphofructokinase enzyme expressed in platelets can be composed of subunits P4, P3L, and P2L2. [supplied by OMIM, Mar 2008]

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