Product Datasheet

# PFK-1 antibody

Catalog No: #22772

Package Size: #22772 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

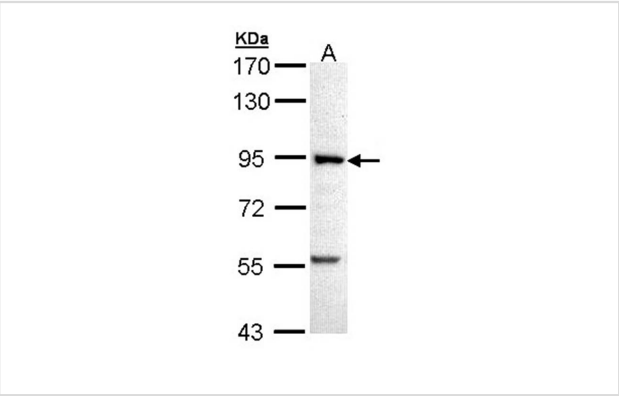
| | |
|---|---|
| Product Name | PFK-1 antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Purified by antigen-affinity chromatography. |
| Applications | WB |
| Species Reactivity | Hu |
| Immunogen Type | Recombinant protein |
| Immunogen Description | Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 223 of Human PFKM |
| Target Name | PFK-1 |
| Accession No. | NCBI Gene ID: 5213NCBI mRNA#: NM_000289NCBI Protein#: NP_000280 |
| Concentration | 0.9mg/ml |
| Formulation | Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

## Application Details

Predicted MW: 85kd

Western blotting: 1:500-1:3000

## Images




Sample (30 ug of whole cell lysate)
A: A431
7.5% SDS PAGE
Primary antibody diluted at 1: 5000

## Background

The PFKM gene encodes the muscle 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. Mammalian PFK is a tetramer made up of various combinations of 3 subunits: muscle (PFKM), liver (PFKL; MIM 171860), and platelet (PFKP; MIM 171840), the

genes for which are located on chromosomes 12q13, 21q22, and 10p, respectively. The composition of the tetramers differs according to the tissue type. Muscle and liver PFK are a homotetramers of 4M and 4L subunits, respectively. Erythrocytes contain both L and M subunits, which randomly tetramerize to form M4, L4, and M3L, M2L2, and ML3 hybrid forms of the holoenzyme (Vora et al., 1980 [PubMed 6444721]; Raben and Sherman, 1995 [PubMed 7550225]).[supplied by OMIM]

## Published Papers

el at., Salvigenin Suppresses Hepatocellular Carcinoma Glycolysis and Chemoresistance Through Inactivating the PI3K/AKT/GSK-3β PathwayInAppl Biochem BiotechnolOn2023 AugbyHui Shao , Jingyan Chen et al..PMID:37129745, , (2023)

PMID:37129745

Note: This product is for in vitro research use only and is not intended for use in humans or animals.