PFKFB3 Conjugated Antibody

Catalog No: #C49656

Package Size: #C49656-AF350 100ul #C49656-AF405 100ul #C49656-AF488 100ul #C49656-AF555 100ul #C49656-AF594 100ul #C49656-AF647 100ul #C49656-AF680 100ul #C49656-AF750 100ul #C49656-Biotin 100ul

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

Description

Product Name	PFKFB3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	6 phosphofructo 2 kinase/ fructose 2,6 bisphosphatase antibody 6 phosphofructo 2 kinase/fructose 2,6 biphosphatase 3 antibody 6-bisphosphatase antibody 6-P2ase 3 antibody 6-P2ASE brain/placenta-type isozyme antibody 6PF 2 K/Fru 2,6 P2ASE brain/placenta type isozyme antibody 6PF 2-K/Fru 2,6 P2ase 3 antibody 6PF-2-K/Fru-2 antibody F263_HUMAN antibody fructose 6 phosphate,2 kinase/fructose 2, 6 bisphosphatase antibody Fructose-2 antibody Inducible 6 phosphofructo 2 kinase/fructose 2,6 bisphosphatase antibody iPFK 2 antibody iPFK-2 antibody IPFK2 antibody PFK/FBPase 3 antibody PFK2 antibody PFKFB3 antibody Renal carcinoma antigen NY REN 56 antibody Renal carcinoma antigen NY-REN-56 antibody uPFK 2 antibody
Accession No.	Swiss-Prot#:Q16875
Uniprot	Q16875
GeneID	5209;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Among the enzymes playing role in glycolysis,four allosteric PFKFB enzymes 1oΩ½C4 expressed by four independent PFKFB genes, catalyze the rate-limiting phosphorylation of fructose-6-phosphate to fructose-1, 6-bisphosphate, using ATP as the energy source in the glycolysis pathway. Among these four allosteric enzymes, PFKFB3 enzyme retains the highest Kinase/Biphosphatase activity ratio and is expressed by PFKFB3 gene which has been demonstrated to be highly expressed in leukemic cells and in solid tumors. Moreover, mitogenic, hypoxic and inflammatory conditions have an inductive effect on the expression of PFKFB3. Hence upregulation of PFKFB genes specific to cancer cells compared to their normal counterparts (from the same patients) with more robust over-expression in breast and lung cancer make it a more appropriate target.

Note: This product is for in vitro research use only