

Datasheet for ABIN744730

anti-PFKFB3 antibody (pSer467) (Biotin)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PFKFB3
Binding Specificity:	pSer467
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFKFB3 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PFK2 around the phosphorylation site of Ser467
Isotype:	IgG
Specificity:	This phosphorylated site is homologous to that of Ser467 in Mouse and Ser496 in Rat.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PFKFB3
Alternative Name:	PFK2 (PFKFB3 Products)
Background:	<p>Synonyms: PFK2, IPFK2, 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3, 6PF-2-K/Fru-2,6-P2ase 3, PFK/FBPase 3, 6PF-2-K/Fru-2,6-P2ase brain/placenta-type isozyme, Renal carcinoma antigen NY-REN-56, iPFK-2, PFKFB3</p> <p>Background: 6 Phosphofructo 2 Kinase plays a role in the synthesis and degradation of fructose 2,6-bisphosphate. Fructose-2,6-bisphosphate acts as an allosteric regulator of 6-phosphofructo-1-kinase (PFK1), which catalyses a key step in the glycoytic pathway. Glycolytic flux is key to tumour growth, and small molecule inhibition of 6 Phosphofructo 2 Kinase suppresses both glycolytic flux and tumour growth. Several lines of evidence suggest that 6 Phosphofructo 2 Kinase is also involved in obesity.</p>
Gene ID:	5209
UniProt:	Q16875
Pathways:	AMPK Signaling , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

Handling

Expiry Date: 12 months