DATASHEET

PFKFB3 Rabbit Polyclonal Antibody

CAT. NO. APA14597

KEY FEATURES

Target	PFKFB3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, IF/ICC, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Catalyzes both the synthesis and degradation of fructose 2,6-bisphosphate.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to PFKFB3
Specificity	Recognizes endogenous levels of PFKFB3 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PFKFB3
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 57; Observed: 62 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	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
Gene Symbol	PFKFB3
Entrez Gene	5209(Human); 117276(Rat)
SwissProt	Q16875(Human); O35552(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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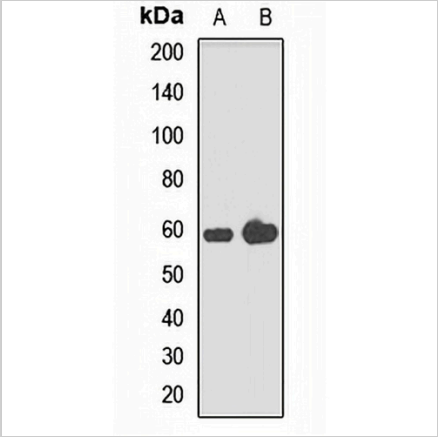
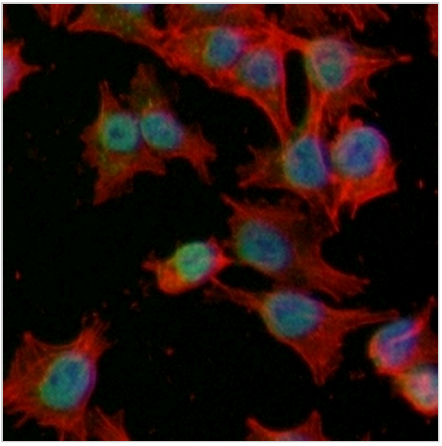
DATA



Western blot analysis of PFKFB3 expression in MCF7 (A), mouse brain (B) whole cell lysates. (Predicted band size: 57; 58; 59; 60 kD; Observed band size: 62 kD)

Data 2

Immunohistochemical analysis of PFKFB3 staining in human stomach cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of PFKFB3 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.