

Product datasheet

Anti-PFKFB3 antibody ab96699

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Overview

Product name	Anti-PFKFB3 antibody
Description	Rabbit polyclonal to PFKFB3
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide, corresponding to a region within amino acids 457 and 520 of Human PFKFB3 (NP_004557).
Positive control	A431, H1299, HeLa, HepG2 This antibody gave a positive result in IHC in the following FFPE tissue: Human breast fibroadenoma.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab96699** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

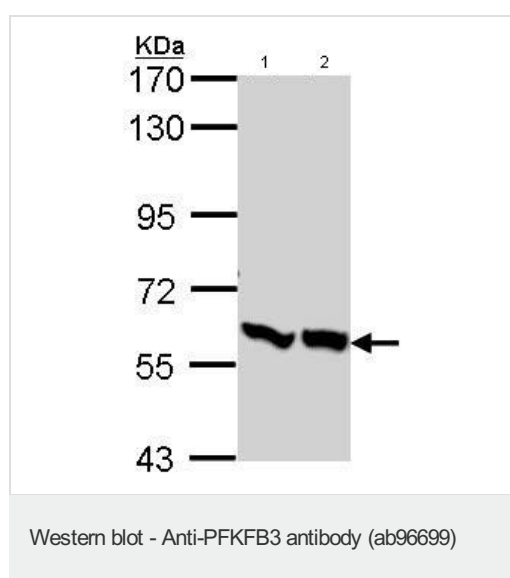
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
IHC-P		Use a concentration of 5 µg/ml.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 60 kDa.

Target

Function	Synthesis and degradation of fructose 2,6-bisphosphate.
Tissue specificity	Ubiquitous.
Sequence similarities	In the C-terminal section; belongs to the phosphoglycerate mutase family.
Post-translational modifications	Phosphorylation by AMPK stimulates activity.

Images



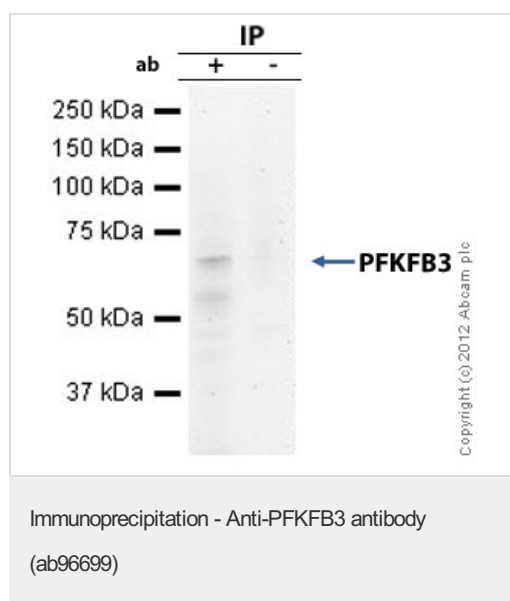
All lanes : Anti-PFKFB3 antibody (ab96699) at 1/1000 dilution

Lane 1 : A431 whole cell lysate

Lane 2 : H1299 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 60 kDa

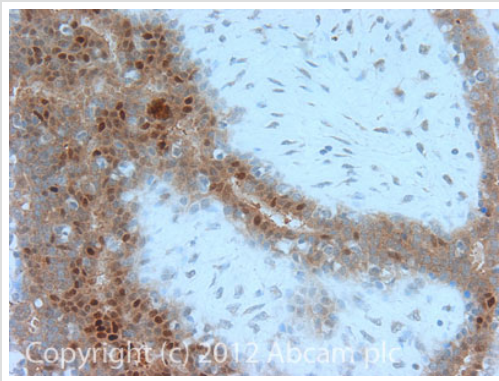


PFKFB3 was immunoprecipitated using 0.5mg A431 whole cell extract, 5µg of Rabbit polyclonal to PFKFB3 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-). The antibody was incubated under agitation with Protein G beads for 10min, A431 whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab96699.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) (ab99697).

Band: 70kDa: PFKFB3.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKFB3 antibody (ab96699)

IHC image of PFKFB3 staining in Human breast fibroadenoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab96699, 5µg/ml, for 15 mins 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.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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