

Product datasheet

Anti-PFKP antibody [OT11D6] ab119796

KO VALIDATED

[13 References](#) [13 Images](#)

Overview

Product name	Anti-PFKP antibody [OT11D6]
Description	Mouse monoclonal [OT11D6] to PFKP
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, ICC/IF, Flow Cyt (Intra)
Species reactivity	Reacts with: Mouse, Rat, Human, Recombinant fragment
Immunogen	Recombinant full length Human PFKP produced in HEK293T cells (NP_002618).
Positive control	HEK293T cell lysate transfected with pCMV6-ENTRY PFKP; SVT2, A549, Jurkat, PC12 and MCF7 cell extracts; Human colon adenocarcinoma, kidney carcinoma, lung carcinoma, ovary adenocarcinoma, endometrium, endometrium adenocarcinoma, bladder carcinoma and tonsil tissues; COS7 cells transiently transfected with pCMV6-ENTRY PFKP; Jurkat cells.
General notes	<p>The clone number has been updated from 1D6 to OT11D6, both clone numbers name the same clone.</p> <p>Dilute in PBS (pH 7.3) before use.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	<p>pH: 7.30</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 48% PBS, 1% BSA, 50% Glycerol</p>

Purity	Protein G purified
Purification notes	Purified from TCS
Clonality	Monoclonal
Clone number	OT11D6
Isotype	IgG1

Applications

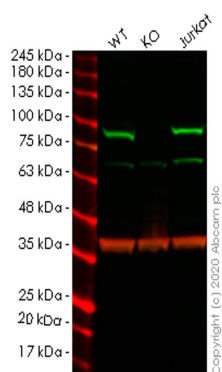
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab119796 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 86 kDa.
IHC-P		1/150.
ICC/IF		1/100.
Flow Cyt (Intra)		1/100. <u>ab170190</u> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Pathway	Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 3/4.
Sequence similarities	Belongs to the phosphofructokinase family. Two domains subfamily.

Images



Western blot - Anti-PFKP antibody [OT11D6]
(ab119796)

All lanes : Anti-PFKP antibody [OT11D6] (ab119796) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : PFKP knockout HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

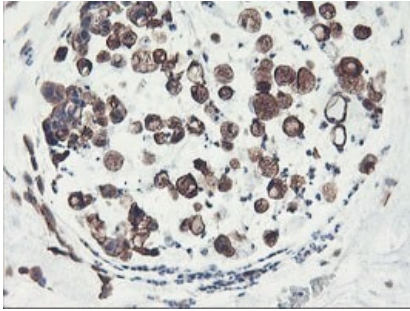
All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) at 1/10000 dilution

Predicted band size: 86 kDa

Observed band size: 86 kDa

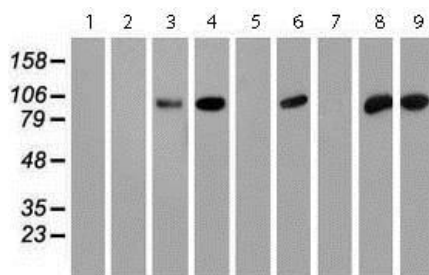
Lanes 1-3: Merged signal (red and green). Green - ab119796 observed at 86 kDa. Red - loading control [ab181602](#) observed at 36 kDa.

ab119796 Anti-PFKP antibody [OT11D6] was shown to specifically react with PFKP in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265136](#) (knockout cell lysate [ab257580](#)) was used. Wild-type and PFKP knockout samples were subjected to SDS-PAGE. ab119796 and Anti-GAPDH antibody[EPR16891] - Loading Control ([ab181602](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) and Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed ([ab216772](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT11D6] (ab119796)

ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Colon tissue by Immunohistochemistry.



Western blot - Anti-PFKP antibody [OT11D6] (ab119796)

All lanes : Anti-PFKP antibody [OT11D6] (ab119796) at 1/500 dilution

Lane 1 : HepG2 cell extract

Lane 2 : HeLa cell extract

Lane 3 : SVT2 cell extract

Lane 4 : A549 cell extract

Lane 5 : COS7 cell extract

Lane 6 : Jurkat cell extract

Lane 7 : MDCK cell extract

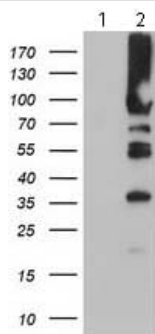
Lane 8 : PC12 cell extract

Lane 9 : MCF7 cell extract

Lysates/proteins at 35 µg per lane.

Predicted band size: 86 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC200673)



Western blot - Anti-PFKP antibody [OT11D6]
(ab119796)

All lanes : Anti-PFKP antibody [OT11D6] (ab119796) at 1/500 dilution

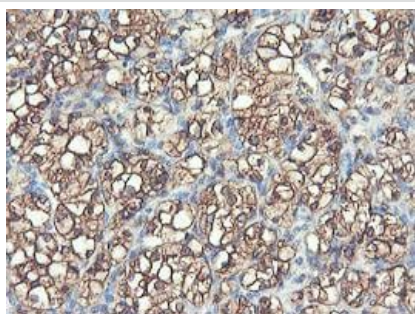
Lane 1 : HEK293T cell lysate transfected with pCMV6-ENTRY control cDNA

Lane 2 : HEK293T cell lysate transfected with pCMV6-ENTRY PFKP cDNA

Lysates/proteins at 5 µg per lane.

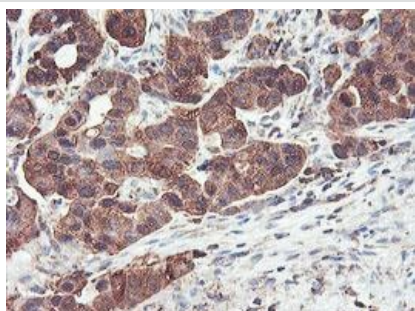
Predicted band size: 86 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC200673)



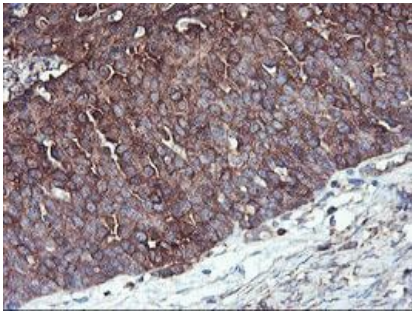
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT11D6]
(ab119796)

ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Kidney carcinoma tissue by Immunohistochemistry.



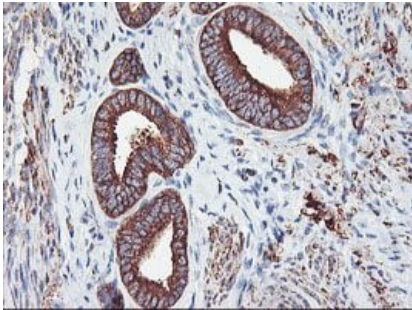
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT11D6]
(ab119796)

ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Lung carcinoma tissue by Immunohistochemistry.



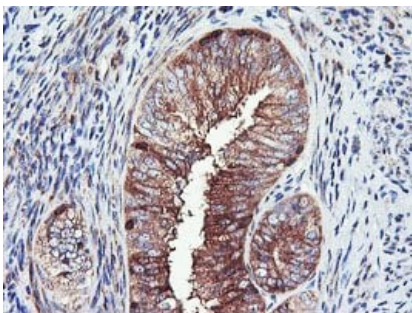
ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Ovary adenocarcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT11D6] (ab119796)



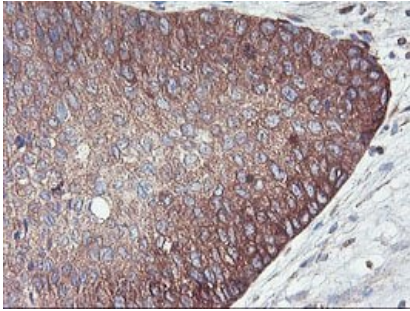
ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Endometrium tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT11D6] (ab119796)



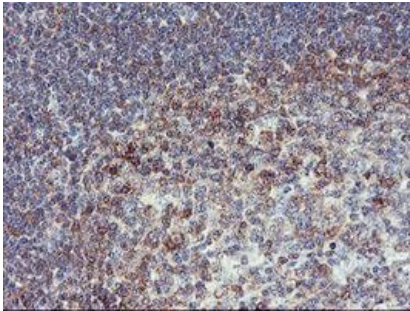
ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Endometrium adenocarcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT11D6] (ab119796)



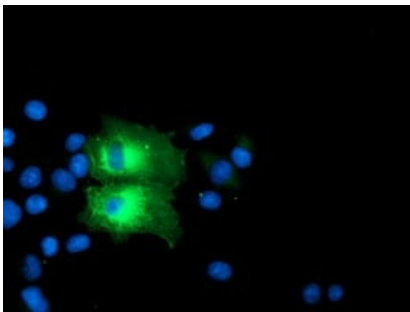
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT1D6] (ab119796)

ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Bladder carcinoma tissue by Immunohistochemistry.



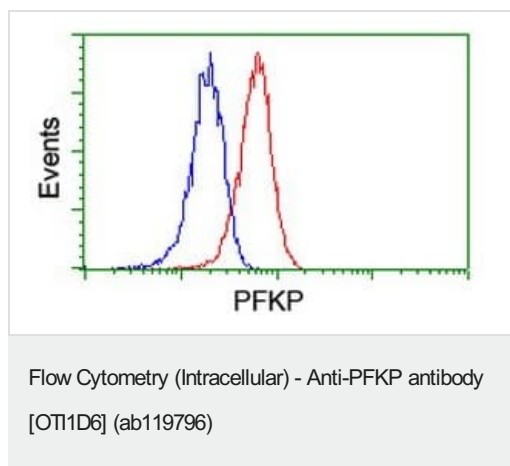
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PFKP antibody [OT1D6] (ab119796)

ab119796 at 1/150 dilution staining PFKP in Paraffin-embedded Human Tonsil tissue by Immunohistochemistry.



Immunocytochemistry/ Immunofluorescence - Anti-PFKP antibody [OT1D6] (ab119796)

ab119796 at 1/100 dilution staining PFKP in COS7 cells transiently transfected with pCMV6-ENTRY PFKP by Immunofluorescence.



ab119796 at 1/100 dilution staining PFKP in Jurkat cells by Flow Cytometry (Intracellular) (Red) compared to a nonspecific negative control antibody (Blue).

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