


Product datasheet

Anti-PGAM2 antibody ab97800

[3 References](#) [2 Images](#)

Overview

Product name	Anti-PGAM2 antibody
Description	Rabbit polyclonal to PGAM2
Host species	Rabbit
Specificity	The immunogen sequence shows 81% homology with PGAM1, so cross-reactivity with PGAM1 cannot be excluded. However, cross-reactivity has not been tested.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Pig 
Immunogen	Recombinant fragment, corresponding to a region within amino acids 1-203 of Human PGAM2 (NP_000281)
Positive control	H1299 or HeLa lysates A549 cells (IF)
General notes	<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. 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, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97800 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 - 1/3000. Predicted molecular weight: 29 kDa.
ICC/IF		1/100 - 1/200.

Target

Function

Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase) and EC 3.1.3.13 (phosphatase), but with a reduced activity.

Tissue specificity

In mammalian tissues there are two types of phosphoglycerate mutase isozymes: type-M in muscles and type-B in other tissues.

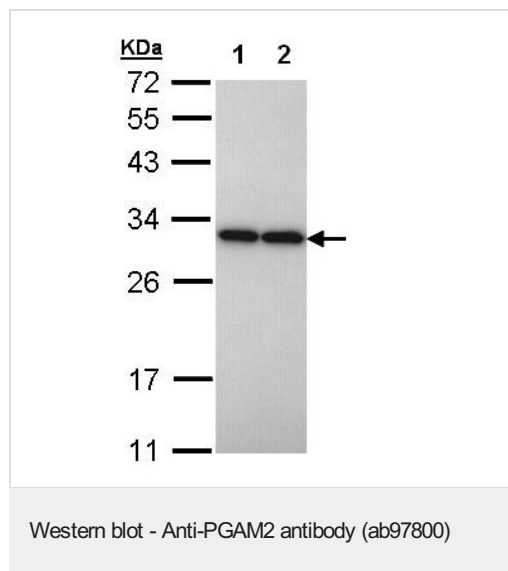
Involvement in disease

Defects in PGAM2 are the cause of glycogen storage disease type 10 (GSD10) [MIM:261670]. A metabolic disorder characterized by myoglobinuria, increased serum creatine kinase levels, decreased phosphoglycerate mutase activity, myalgia, muscle pain, muscle cramps and exercise intolerance.

Sequence similarities

Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.

Images



All lanes : Anti-PGAM2 antibody (ab97800) at 1/10000 dilution

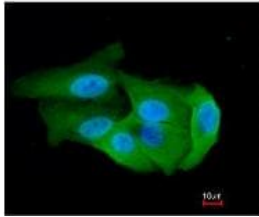
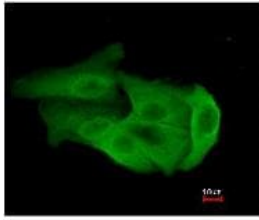
Lane 1 : H1299 whole cell lysate

Lane 2 : HeLa whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 29 kDa

12% SDS PAGE



Immunofluorescence analysis of paraformaldehyde-fixed A549, using ab97800 at 1/200 dilution. Lower image was also merged with DNA probe.

Immunocytochemistry/ Immunofluorescence - Anti-PGAM2 antibody (ab97800)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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