abcam

Product datasheet

Anti-PGAM1 antibody [EPR8042] ab129191

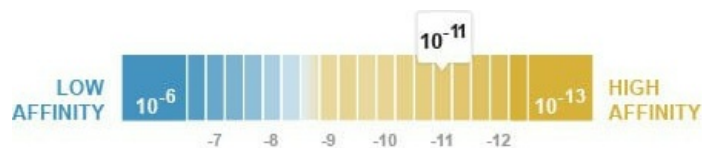Recombinant   RabMAb

★★★★★ **1 Abreviews**   **4 References**   4 Images

Overview

Product name	Anti-PGAM1 antibody [EPR8042]
Description	Rabbit monoclonal [EPR8042] to PGAM1
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB
	Unsuitable for: ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Human
	Predicted to work with: Mouse, Rat ⚠
Immunogen	Synthetic peptide within Human PGAM1 (N terminal). The exact sequence is proprietary.
Positive control	Jurkat, Human fetal muscle, A431, and Raji cell lysates; permeabilized Raji cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K_D = 1.50 x 10^{-11} M

Learn more about K_D

Storage buffer	pH: 7.20

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Preservative: 0.01% Sodium azide
Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR8042
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab129191 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
Flow Cyt (Intra)		1/100 - 1/500. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ **(1)**	1/1000 - 1/10000. Detects a band of approximately 29 kDa (predicted molecular weight: 29 kDa).

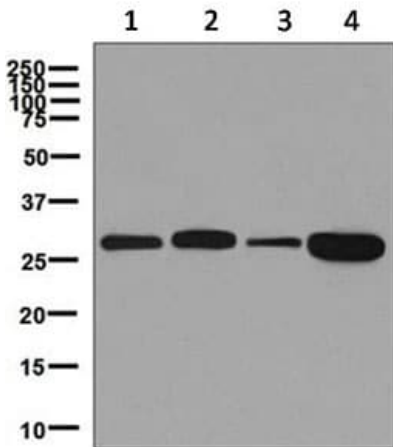**Application notes** Is unsuitable for ICC/IF,IHC-P or IP.

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

Images

Western blot - Anti-PGAM1 antibody [EPR8042] (ab129191)

All lanes : Anti-PGAM1 antibody [EPR8042] (ab129191) at 1/1000 dilution

Lane 1 : Jurkat cell lysate
Lane 2 : Human fetal muscle tissue lysate
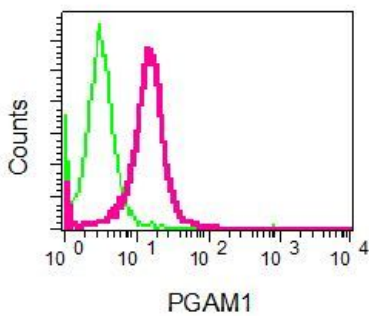**Lane 3 :** A431 cell lysate
Lane 4 : Raji cell lysate

Lysates/proteins at 10 µg per lane.
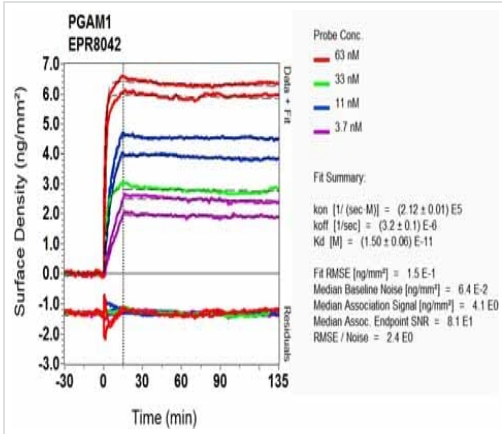
Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 29 kDa

Flow Cytometry (Intracellular) - Anti-PGAM1 antibody [EPR8042] (ab129191)

ab129191 at 1/100 dilution staining PGAM1 in permeabilized Raji cells by intracellular flow cytometry or a rabbit IgG negative control (green).

OI-RD Scanning - Anti-PGAM1 antibody [EPR8042] (ab129191)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Anti-PGAM1 antibody [EPR8042] (ab129191)

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