abcam

ab186739

Anti-BPGM antibody [EPR15128]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR15128
Purification technique	Affinity purification Protein A
Concentration	0.554 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/50 - 1/70
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/110
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target data

See full target information BPGM

Function	Plays a major role in regulating hemoglobin oxygen affinity by controlling the levels of its allosteric effector 2,3-bisphosphoglycerate (2,3-BPG). Also exhibits mutase (EC 5.4.2.11) activity.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

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

What are the advantages of a recombinant monoclonal antibody?
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 batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

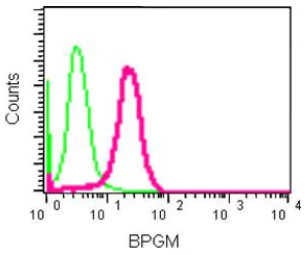
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

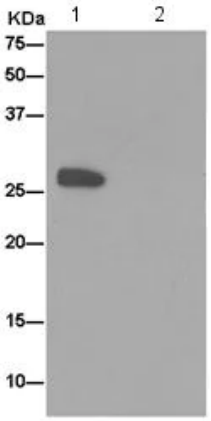
4 product images



Flow Cytometry (Intracellular) - Anti-BPGM antibody [EPR15128] (ab186739)

BPGM Flow Cytometry (Intracellular) staining using rabbit Anti-BPGM antibody

Intracellular Flow Cytometry analysis of paraformaldehyde-fixed HeLa cells labeling BPGM with ab186739 at a 1/110 dilution and secondary antibody goat anti-rabbit IgG (FITC, red) at a 1/150 dilution, or negative control rabbit IgG (green).



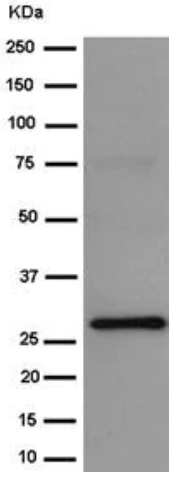
Immunoprecipitation - Anti-BPGM antibody [EPR15128] (ab186739)

Western blot analysis on immunoprecipitation from 1) Human blood lysate and 2) PBS, labeling BPGM using 186739 at 1/50 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG at a 1/1500 dilution.
All lanes:
Immunoprecipitation - Anti-BPGM antibody [EPR15128] (ab186739)

Developed using the ECL technique.

Predicted band size: 30 kDa

Observed band size: 30 kDa



Western blot - Anti-BPGM antibody [EPR15128] (ab186739)

All lanes:
Western blot - Anti-BPGM antibody [EPR15128] (ab186739) at 1/1000 dilution

All lanes:
Human placenta lysate at 20 µg

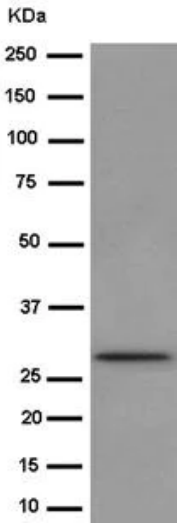
Secondary

All lanes:
goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 30 kDa

Observed band size: 30 kDa



Western blot - Anti-BPGM antibody [EPR15128] (ab186739)

BPGM Western blot staining of Human blood lysate using rabbit Anti-BPGM antibody

All lanes:
Western blot - Anti-BPGM antibody [EPR15128] (ab186739) at 1/10000 dilution

All lanes:
Human blood lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab136636) at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 30 kDa

Observed band size: 30 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.