

Product datasheet

Anti-BPGM antibody [EPR15127] - BSA and Azide free ab250886

Recombinant RabMAb

3 Images

Overview

Product name	Anti-BPGM antibody [EPR15127] - BSA and Azide free
Description	Rabbit monoclonal [EPR15127] to BPGM - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250886 is the carrier-free version of ab186434.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15127
Isotype	IgG

Applications

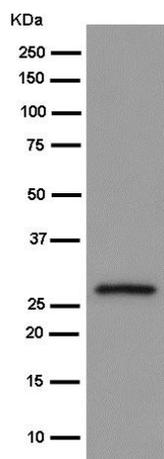
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab250886 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).

Target

Function	Plays a major role in regulating hemoglobin oxygen affinity by controlling the levels of 2,3-bisphosphoglycerate (2,3-BPG). Also exhibits mutase (EC 5.4.2.1) and phosphatase (EC 3.1.3.13) activities.
Involvement in disease	Defects in BPGM are the cause of bisphosphoglycerate mutase deficiency (BPGMD) [MIM:222800]. A disease characterized by hemolytic anemia, splenomegaly, cholelithiasis and cholecystitis.
Sequence similarities	Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.
Post-translational modifications	Glycation of Lys-159 in diabetic patients inactivates the enzyme.

Images



Western blot - Anti-BPGM antibody [EPR15127] - BSA and Azide free (ab250886)

Anti-BPGM antibody [EPR15127] ([ab186434](#)) at 1/1000 dilution + Human placenta lysate at 20 µg

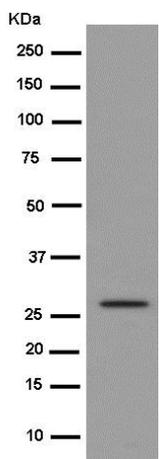
Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 30 kDa

Observed band size: 30 kDa

This data was developed using [ab186434](#), the same antibody clone in a different buffer formulation.



Western blot - Anti-BPGM antibody [EPR15127] - BSA and Azide free (ab250886)

Anti-BPGM antibody [EPR15127] ([ab186434](#)) at 1/1000 dilution + Human blood lysate at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 30 kDa

Observed band size: 30 kDa

This data was developed using [ab186434](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-BPGM antibody [EPR15127] - BSA and Azide free (ab250886)

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

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