

Anti-GBP2 antibody [EPR13206] - BSA and Azide free ab250128

KO VALIDATED Recombinant RabMAB

4 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-GBP2 antibody [EPR13206] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR13206] to GBP2 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP |
| Species reactivity | Reacts with: Human Does not react with: Mouse, Rat |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: Human spleen, IM-9, HACAT, A549 and K562 lysates. |
| General notes | <p>ab250128 is the carrier-free version of ab179829.</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</p> |

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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 | Affinity purified |
| Clonality | Monoclonal |
| Clone number | EPR13206 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250128 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

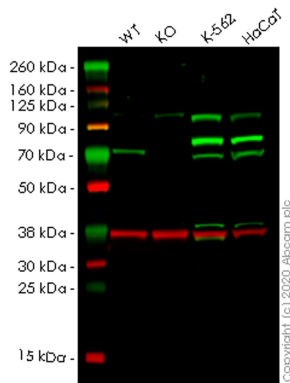
| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 67 kDa. |

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

Target

| | |
|------------------------------|---|
| Relevance | Guanylate-binding proteins (GBPs) are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP). GBP2 is a GTPase that converts GTP to GDP and GMP. |
| Cellular localization | Cell membrane; Lipid-anchor; Cytoplasmic side |

Images



Western blot - Anti-GBP2 antibody [EPR13206] - BSA and Azide free (ab250128)

All lanes : Anti-GBP2 antibody [EPR13206] - N-terminal ([ab179829](#)) at 1/1000 dilution

Lane 1 : Wild-type A549 (Human lung carcinoma cell line) whole cell lysate

Lane 2 : GBP2 knockout A549 (Human lung carcinoma cell line) whole cell lysate

Lane 3 : K562 (Human chronic myelogenous leukemia lymphoblast cell line) whole cell lysate

Lane 4 : HaCaT (Human keratinocyte cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 67 kDa

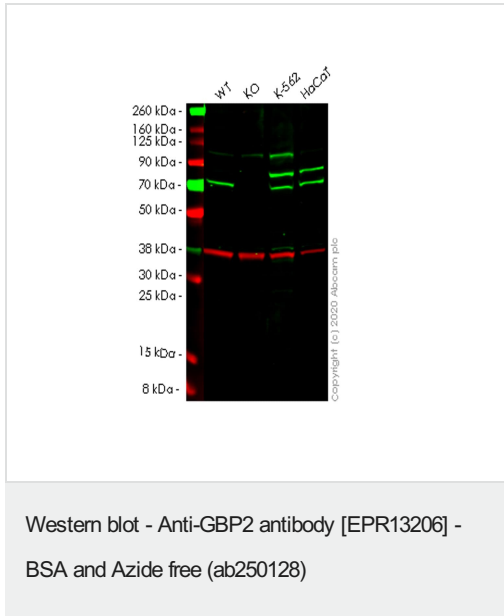
Observed band size: 67 kDa

This data was developed using [ab179829](#), the same antibody clone in a different buffer formulation.

Lanes 1-4: Merged signal (red and green). Green - [ab179829](#) observed at 67 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

[ab179829](#) Anti-GBP2 antibody [EPR13206] - N-terminal was shown to specifically react with GBP2 in wild-type A549 cells. Loss of signal was observed when knockout cell line [ab267218](#) (knockout cell lysate [ab257962](#)) was used. Wild-type and GBP2 knockout samples were subjected to SDS-PAGE. [ab179829](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) 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® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-GBP2 antibody [EPR13206] - N-terminal ([ab179829](#)) at 1/1000 dilution

Lane 1 : Wild-type A549 cell lysate

Lane 2 : GBP2 knockout A549 cell lysate

Lane 3 : K-562 cell lysate

Lane 4 : HaCaT cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

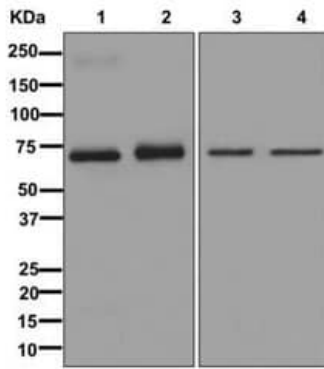
Predicted band size: 67 kDa

Observed band size: 70 kDa

This data was developed using [ab179829](#), the same antibody clone in a different buffer formulation.

Lanes 1-4: Merged signal (red and green). Green - [ab179829](#) observed at 70 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

[ab179829](#) Anti-GBP2 antibody [EPR13206] - N-terminal was shown to specifically react with GBP2 in wild-type A549 cells. Loss of signal was observed when knockout cell line [ab267219](#) (knockout cell lysate [ab257963](#)) was used. Wild-type and GBP2 knockout samples were subjected to SDS-PAGE. [ab179829](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) 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® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-GBP2 antibody [EPR13206] - BSA and Azide free (ab250128)

All lanes : Anti-GBP2 antibody [EPR13206] - N-terminal ([ab179829](#)) at 1/1000 dilution

Lane 1 : Human spleen cell lysate

Lane 2 : IM-9 cell lysate

Lane 3 : HACAT cell lysate

Lane 4 : K562 cell lysate

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 67 kDa

This data was developed using [ab179829](#), 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-GBP2 antibody [EPR13206] - BSA and Azide free (ab250128)

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

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