

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

KO VALIDATED Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-GBP2 antibody [EPR13206] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR13206] to GBP2 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Human spleen, IM-9, HACAT, A549 and K562 lysates.
<b>General notes</b>	<p>ab250128 is the carrier-free version of <a href="#">ab179829</a>.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit</p>

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

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13206
<b>Isotype</b>	IgG

## Applications

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**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
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 67 kDa.

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

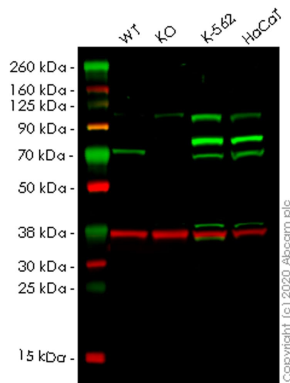
## Target

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<b>Relevance</b>	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.
<b>Cellular localization</b>	Cell membrane; Lipid-anchor; Cytoplasmic side

## Images

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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

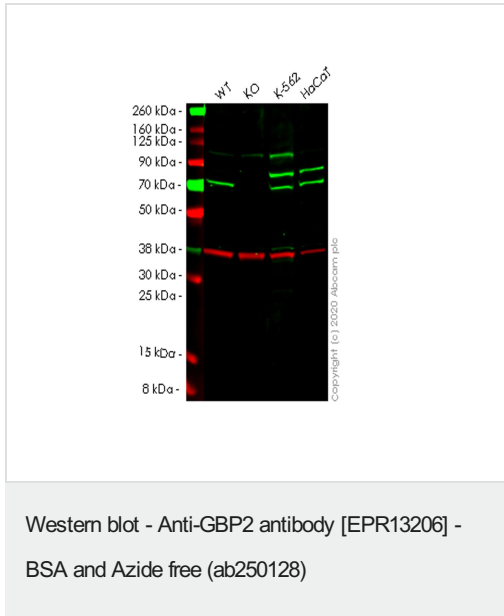
**Observed band size:** 67 kDa

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

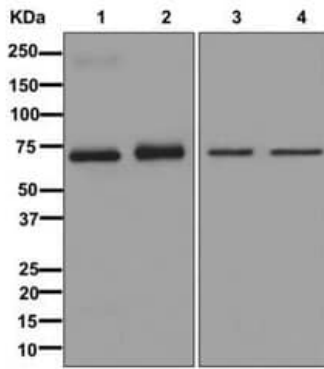
**Predicted band size:** 67 kDa

**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?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> 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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