


## Product datasheet

# Anti-IMP1 antibody [EPR15404(B)] - BSA and Azide free ab250724

Recombinant RabMAb

5 Images

### Overview

<b>Product name</b>	Anti-IMP1 antibody [EPR15404(B)] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR15404(B)] to IMP1 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, Flow Cyt (Intra), IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab250724 is the carrier-free version of <a href="#">ab184165</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 monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## 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>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15404(B)
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab250724 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
ICC/IF		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).

## Target

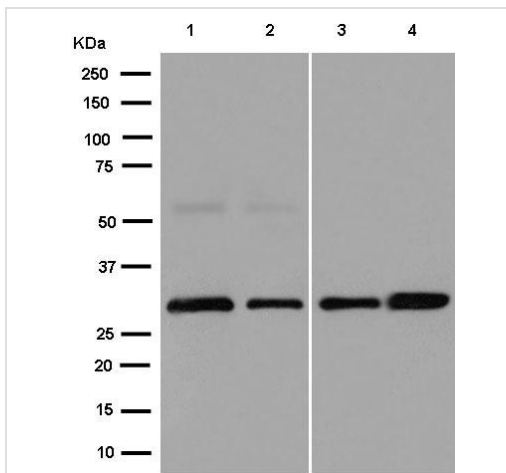
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<b>Function</b>	Responsible for the provision of inositol required for synthesis of phosphatidylinositol and polyphosphoinositides and has been implicated as the pharmacological target for lithium action in brain. Can use myo-inositol monophosphates, myo-inositol-1,3-diphosphate, myo-inositol-1,4-diphosphate, scyllo-inositol-phosphate, glucose-1-phosphate, glucose-6-phosphate, fructose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates.
<b>Pathway</b>	Polyol metabolism; myo-inositol biosynthesis; myo-inositol from D-glucose 6-phosphate: step 2/2.
<b>Sequence similarities</b>	Belongs to the inositol monophosphatase family.
<b>Cellular localization</b>	Cytoplasm.

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## Images

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Western blot - Anti-IMPA1 antibody [EPR15404(B)] - BSA and Azide free (ab250724)

**All lanes** : Anti-IMPA1 antibody [EPR15404(B)] ([ab184165](#)) at 1/50000 dilution

**Lane 1** : Human testis tissue lysate

**Lane 2** : Jurkat cell lysate

**Lane 3** : PC 3 cell lysate

**Lane 4** : HCT116 cell lysate

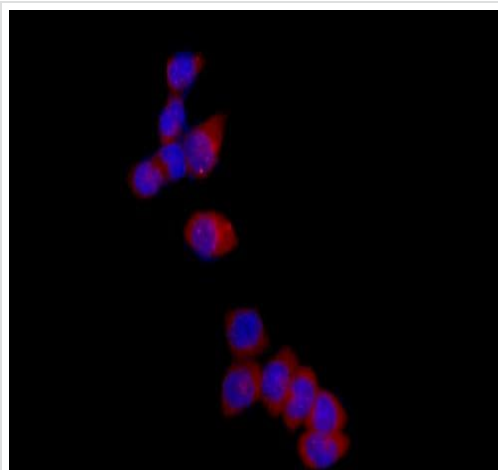
Lysates/proteins at 20 µg per lane.

#### Secondary

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

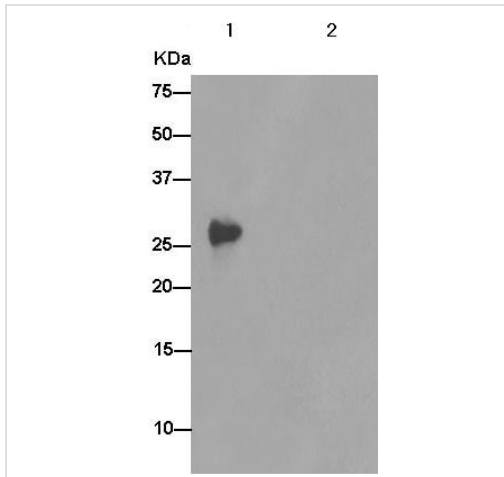
**Predicted band size:** 30 kDa

This data was developed using [ab184165](#), the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-IMPA1 antibody [EPR15404(B)] - BSA and Azide free (ab250724)

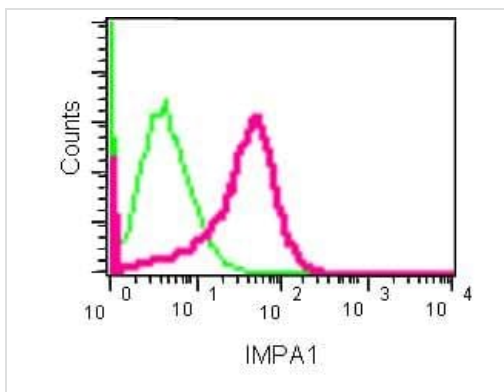
This data was developed using [ab184165](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of HCT116 cells (4% paraformaldehyde-fixed) labeling IMPA1 with [ab184165](#) at 1/100 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary at 1/200 dilution and counter-stained with DAPI (blue).



Immunoprecipitation - Anti-IMPA1 antibody  
[EPR15404(B)] - BSA and Azide free (ab250724)

This data was developed using **ab184165**, the same antibody clone in a different buffer formulation. Western blot analysis of immunoprecipitation pellet from Human testis tissue lysate (lane 1) or a PBS control (lane 2) immunoprecipitated using **ab184165** at 1/50 dilution.

Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.



Flow Cytometry (Intracellular) - Anti-IMPA1 antibody  
[EPR15404(B)] - BSA and Azide free (ab250724)

This data was developed using **ab184165**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of PC3 cells (2% paraformaldehyde-fixed) labeling IMPA1 with **ab184165** at 1/40 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.

### 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-IMPA1 antibody [EPR15404(B)] - BSA and Azide free (ab250724)

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

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