

Product datasheet

Anti-BAG2 antibody [EPR3567] - BSA and Azide free ab247500

KO VALIDATED

Recombinant

RabMAb

3 Images

Overview

Product name	Anti-BAG2 antibody [EPR3567] - BSA and Azide free
Description	Rabbit monoclonal [EPR3567] to BAG2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, IP Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Jurkat, HeLa and HepG2 cell lysates. IHC-P: Human ovarian carcinoma tissue. IP: Jurkat lysate.
General notes	<p>ab247500 is the carrier-free version of ab79406.</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](#).

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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	EPR3567
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247500 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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 24 kDa (predicted molecular weight: 24 kDa).
IP		Use at an assay dependent concentration.

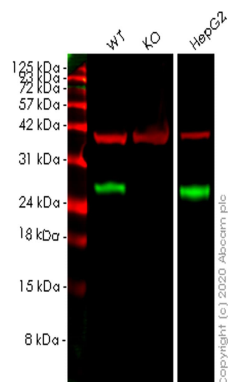
Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release.

Sequence similarities Contains 1 BAG domain.

Images



Western blot - Anti-BAG2 antibody [EPR3567] - BSA and Azide free (ab247500)

All lanes : Anti-BAG2 antibody [EPR3567] ([ab79406](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : BAG2 knockout HeLa cell lysate

Lane 3 : HepG2 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

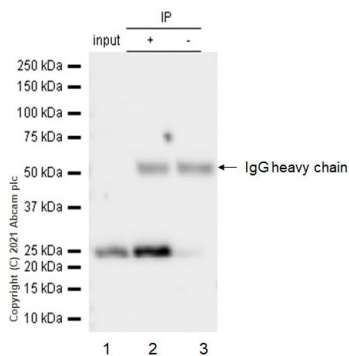
Predicted band size: 24 kDa

Observed band size: 25 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab79406](#)).

Lanes 1-3: Merged signal (red and green). Green - [ab79406](#) observed at 25 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

[ab79406](#) Anti-BAG2 antibody [EPR3567] was shown to specifically react with BAG2 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265907](#) (knockout cell lysate [ab257369](#)) was used. Wild-type and BAG2 knockout samples were subjected to SDS-PAGE. [ab79406](#) 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.



Immunoprecipitation - Anti-BAG2 antibody
[EPR3567] - BSA and Azide free (ab247500)

This data was developed using **ab79406**, the same antibody clone in a different buffer formulation.

BAG2 was immunoprecipitated from 0.35 mg Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg with **ab79406** at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/5000 dilution.

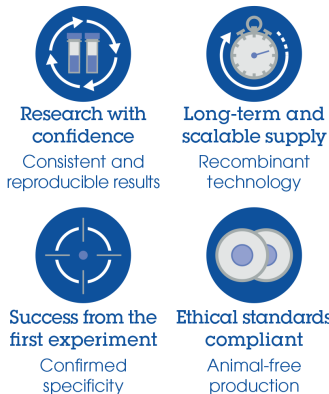
Lane 1: Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg

Lane 2: abab79406 IP in Jurkat whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab79406** in Jurkat whole cell lysate

Blocking and dilution buffer and concentration: 5% NFD/MTBST.

Why choose a recombinant antibody?



Anti-BAG2 antibody [EPR3567] - BSA and Azide free (ab247500)

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