

Product datasheet

Anti-BAG2 antibody [EPR3567] ab79406

KO VALIDATED Recombinant RabMAb[®]

[9 References](#) [5 Images](#)

Overview

Product name	Anti-BAG2 antibody [EPR3567]
Description	Rabbit monoclonal [EPR3567] to BAG2
Host species	Rabbit
Tested applications	Suitable for: IP, WB, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human BAG2 aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	WB: Jurkat, HeLa and HepG2 cell lysates. IHC-P: Human ovarian carcinoma tissue. IP: Jurkat lysate.
General notes	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR3567
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab79406 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
IP		Use at an assay dependent concentration.
WB		1/1000 - 1/5000. Detects a band of approximately 24 kDa (predicted molecular weight: 24 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

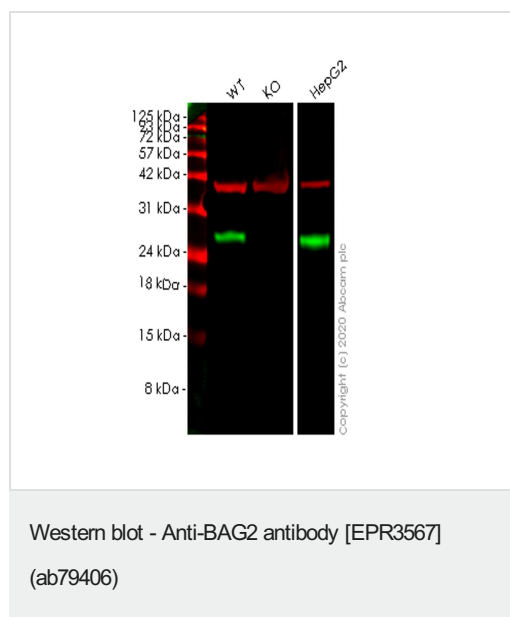
Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

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

Sequence similarities Contains 1 BAG domain.

Images



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

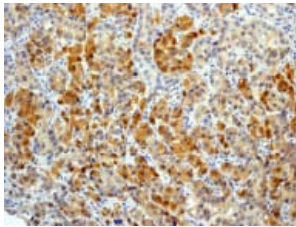
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 24 kDa

Observed band size: 25 kDa

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

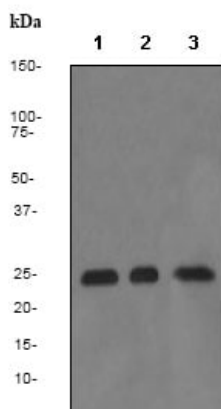
ab79406 Anti-BAG2 antibody [EPR3567] was shown to specifically react with BAG2 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265907** (knockout cell lysate **ab257369**) was used. Wild-type and BAG2 knockout samples were subjected to SDS-PAGE. ab79406 and Anti-GAPDH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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAG2 antibody [EPR3567] (ab79406)

ab79406, at 1/100 dilution, staining BAG2 in human ovarian carcinoma by Immunohistochemistry using paraffin-embedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-BAG2 antibody [EPR3567] (ab79406)

All lanes : Anti-BAG2 antibody [EPR3567] (ab79406) at 1/5000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : HepG2 cell lysate

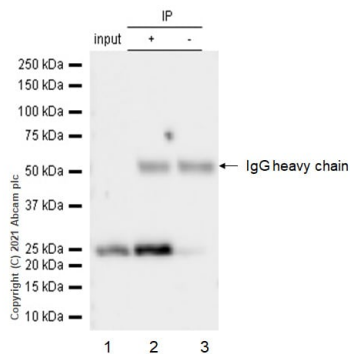
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 24 kDa

Observed band size: 24 kDa



Immunoprecipitation - Anti-BAG2 antibody
[EPR3567] (ab79406)

BAG2 was immunoprecipitated from 0.35 mg Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg with 79406 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: ab79406 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% NFDN/TBST.

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-BAG2 antibody [EPR3567] (ab79406)

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

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