


Anti-BAP31 antibody [EPR3878(2)] - BSA and Azide free ab247829

KO VALIDATED Recombinant RabMAb

6 Images

Overview

Product name	Anti-BAP31 antibody [EPR3878(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR3878(2)] to BAP31 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB Unsuitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK293T, HeLa and NCCIT cell lysates.
General notes	<p>ab247829 is the carrier-free version of ab109304.</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](#).

Rat: We have preliminary internal testing data to indicate this antibody may not react with this 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	EPR3878(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247829 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 with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 28 kDa.

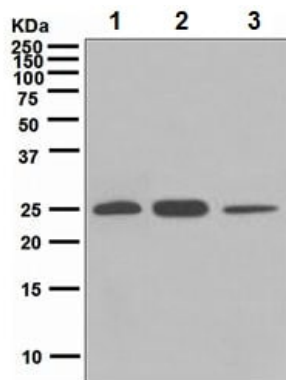
Application notes Is unsuitable for IP.

Target

Function	May play a role in anterograde transport of membrane proteins from the endoplasmic reticulum to the Golgi. May be involved in CASP8-mediated apoptosis.
Tissue specificity	Ubiquitous.
Involvement in disease	Note=BCAP31 is deleted in the chromosome Xq28 deletion syndrome which involves BCAP31 and the and the promoter region of ABCD1.
Sequence similarities	Belongs to the BCAP29/BCAP31 family.
Post-translational modifications	Cleaved by CASP8 and other caspases.
Cellular localization	Endoplasmic reticulum membrane. Endoplasmic reticulum-Golgi intermediate compartment

membrane. May shuttle between the ER and the intermediate compartment/cis-Golgi complex.

Images



Western blot - Anti-BAP31 antibody [EPR3878(2)] - BSA and Azide free (ab247829)

All lanes : Anti-BAP31 antibody [EPR3878(2)] ([ab109304](#)) at 1/1000 dilution

Lane 1 : HeLa cell lysate

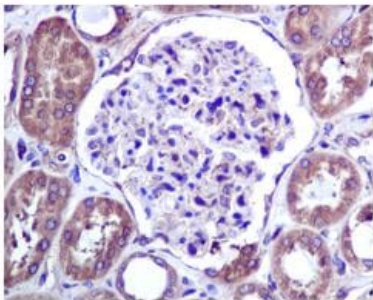
Lane 2 : Human placenta tissue lysate

Lane 3 : NCCIT cell lysate

Lysates/proteins at 10 µg per lane.

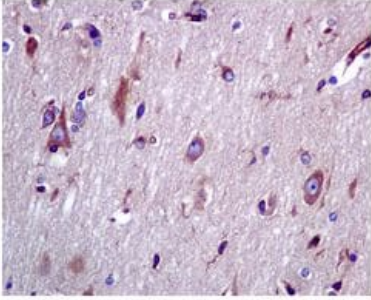
Predicted band size: 28 kDa

This data was developed using [ab109304](#), the same antibody clone in a different buffer formulation.



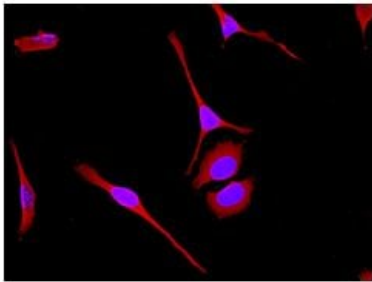
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP31 antibody [EPR3878(2)] - BSA and Azide free (ab247829)

This data was developed using [ab109304](#), the same antibody clone in a different buffer formulation. [ab109304](#), at 1/250 dilution, staining Human kidney tissue by immunohistochemistry. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



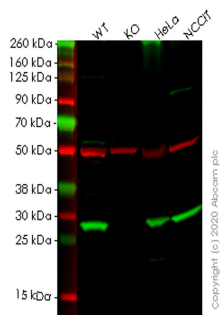
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP31 antibody [EPR3878(2)] - BSA and Azide free (ab247829)

This data was developed using [ab109304](#), the same antibody clone in a different buffer formulation. [ab109304](#), at 1/250 dilution, staining Human brain tissue by immunohistochemistry. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-BAP31 antibody [EPR3878(2)] - BSA and Azide free (ab247829)

This data was developed using [ab109304](#), the same antibody clone in a different buffer formulation. [ab109304](#), at 1/100 dilution, staining HeLa cells by immunofluorescence.



Western blot - Anti-BAP31 antibody [EPR3878(2)] - BSA and Azide free (ab247829)

All lanes : Anti-BAP31 antibody [EPR3878(2)] ([ab109304](#)) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : BCAP31 knockout HEK293T cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : NCCIT 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: 28 kDa

Observed band size: 28 kDa

This data was developed using the same antibody clone in a

different buffer formulation (**ab109304**).

Lanes 1-4: Merged signal (red and green). Green - **ab109304** observed at 28 kDa. Red - loading control **ab7291** observed at 50 kDa.

ab109304 Anti-BAP31 antibody [EPR3878(2)] was shown to specifically react with BAP31 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266634** (knockout cell lysate **ab257857**) was used. Wild-type and BAP31 knockout samples were subjected to SDS-PAGE. **ab109304** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) 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.

Why choose a recombinant antibody?

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

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

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