


Product datasheet

Anti-BAP1 antibody ab199396

★★★★☆ 2 Abreviews 3 References 3 Images

Overview

Product name	Anti-BAP1 antibody
Description	Rabbit polyclonal to BAP1
Host species	Rabbit
Specificity	ab199396 detects endogenous level of total BAP1 protein.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Fusion protein within Human BAP1 (internal sequence). The exact sequence is proprietary. Fusion protein corresponding to a region derived from internal residues of human BAP1. NCBI Accession No. BC001596. The identity of the protein fusion partner is GST. Database link: Q92560
Positive control	WB: HeLa whole cell lysate (ab150035). IHC-P: Human ovarian cancer tissue. Human testis tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: 50% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab199396** in the following tested applications.

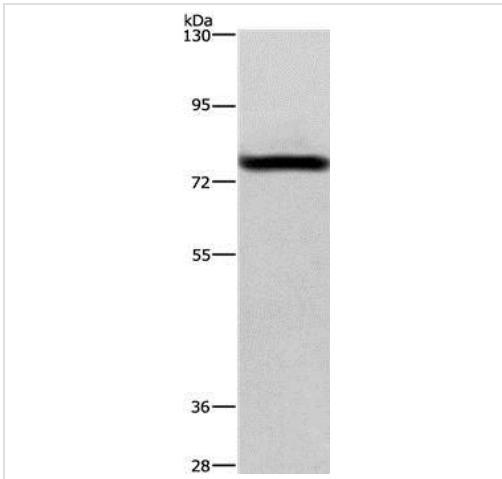
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆	1/40 - 1/200. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/375 - 1/2000. Predicted molecular weight: 80 kDa.

Target

Function	Deubiquitinating enzyme that plays a key role in chromatin by mediating deubiquitination of histone H2A and HCFC1. Catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). Does not deubiquitinate monoubiquitinated histone H2B. Acts as a regulator of cell growth by mediating deubiquitination of HCFC1 N-terminal and C-terminal chains, with some specificity toward 'Lys-48'-linked polyubiquitin chains compared to 'Lys-63'-linked polyubiquitin chains. Deubiquitination of HCFC1 does not lead to increase stability of HCFC1. Interferes with the BRCA1 and BARD1 heterodimer activity by inhibiting their ability to mediate ubiquitination and autoubiquitination. It however does not mediate deubiquitination of BRCA1 and BARD1. Acts as a tumor suppressor.
Tissue specificity	Highly expressed in testis, placenta and ovary. Expressed in breast.
Sequence similarities	Belongs to the peptidase C12 family. BAP1 subfamily.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm. Nucleus. Mainly nuclear. Binds to chromatin.

Images

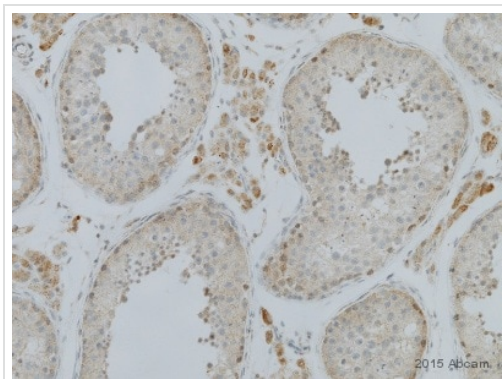


Western blot - Anti-BAP1 antibody (ab199396)

Anti-BAP1 antibody (ab199396) at 1/375 dilution + HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate at 40 μ g

Predicted band size: 80 kDa

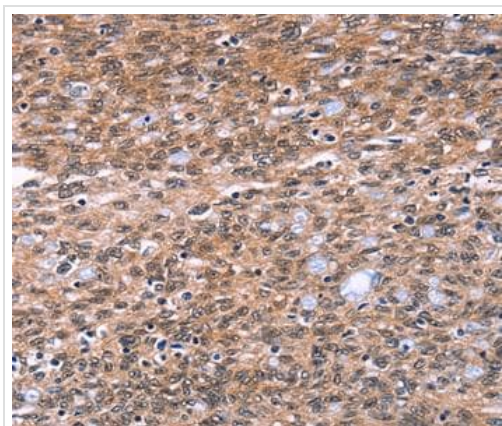
10% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP1 antibody (ab199396)

This image is courtesy of an anonymous Abreview

ab199396 staining BAP1 in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with Ventana blocking agent for 4 minutes at 36°C; antigen retrieval was by heat mediation in EDTA pH 8.5. Samples were incubated with primary antibody (1/50 in blocking buffer) for 32 minutes at 37°C. An undiluted HRP polymer-conjugated Goat anti-rabbit polyclonal was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP1 antibody (ab199396)

Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue labeling BAP1 using ab199396 at a 1/40 dilution.

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