

Product datasheet

# Anti-BAP1 antibody ab199396

★★★★★ 1 Abreviews 2 Images

Overview

<b>Product name</b>	Anti-BAP1 antibody
<b>Description</b>	Rabbit polyclonal to BAP1
<b>Specificity</b>	ab199396 detects endogenous level of total BAP1 protein.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	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: <a href="#">Q92560</a>
<b>Positive control</b>	HeLa cell lysate and Human ovarian cancer tissue.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.3 Preservative: 0.05% Sodium azide Constituents: 50% Glycerol, 49% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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 with citrate buffer pH 6 before commencing with IHC staining protocol.

Application	Abreviews	Notes
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.

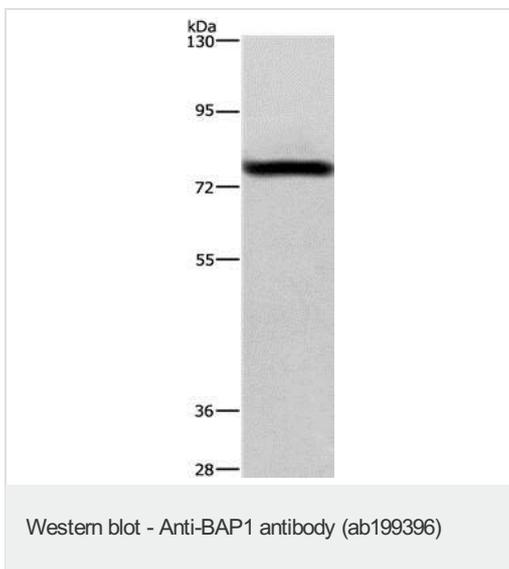
### Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

### Cellular localization

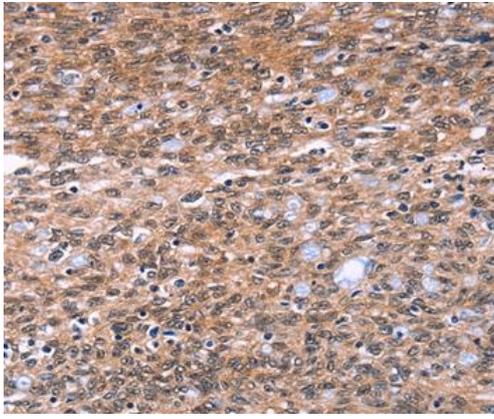
Cytoplasm. Nucleus. Mainly nuclear. Binds to chromatin.

## Anti-BAP1 antibody images



Anti-BAP1 antibody (ab199396) at 1/375 dilution + HeLa cell lysate at 40 µg

**Predicted band size** : 80 kDa  
10%SDS-PAGE



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

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

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