abcam

Product datasheet

Anti-BAP1 antibody [EPR22826-65] ab255611

Recombinant RabMAb

7 Images

Overview

Product name	Anti-BAP1 antibody [EPR22826-65]
Description	Rabbit monoclonal [EPR22826-65] to BAP1
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IHC-P **Unsuitable for:** ICC/IF or IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, PC-3, HepG2, A375, MDA-MB-231 and A549 whole cell lysates. Flow Cyt (intra): PC-3 cells. IHC: Rat and mouse cerebrum, Human lung and colon carcinoma.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22826-65

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab255611 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
Flow Cyt (Intra)		1/60.
WB		1/1000. Detects a band of approximately 100 kDa (predicted molecular weight: 80 kDa).
IHC-P		1/100.

Application notes Is unsuitable for ICC/IF or IP.

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.

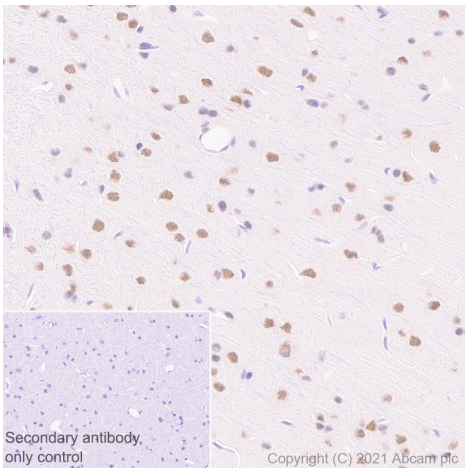
Tissue specificity Highly expressed in testis, placenta and ovary. Expressed in breast.

Sequence similarities Belongs to the peptidase C12 family. BAP1 subfamily.

Post-translational modifications Phosphorylated upon DNA damage, probably by ATM or ATR.

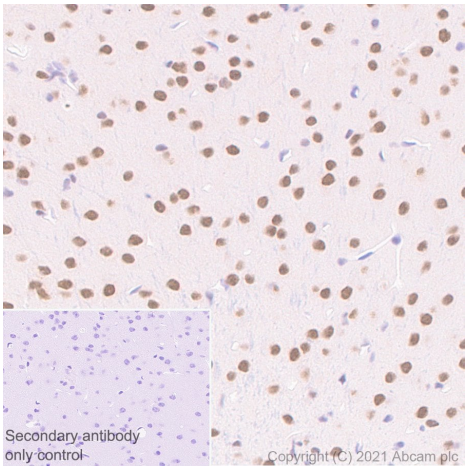
Cellular localization Cytoplasm. Nucleus. Mainly nuclear. Binds to chromatin.

Images



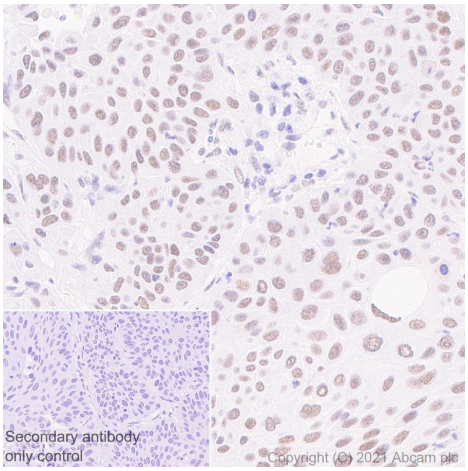
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP1 antibody [EPR22826-65] (ab255611)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat cerebrum tissue labelling BAP1 with ab255611 at 1/100 dilution. Heat mediated antigen retrieval was performed usingTris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins, LeicaDS9800 (Bond™ Polymer Refine Detection) was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin. Nuclear staining on rat cerebrum. The section was incubated with ab255611 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument



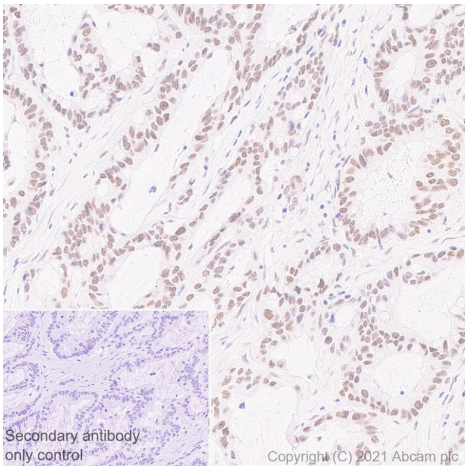
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP1 antibody [EPR22826-65] (ab255611)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse cerebrum tissue labelling BAP1 with ab255611 at 1/100 dilution. Heat mediated antigen retrieval was performed usingTris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins, LeicaDS9800 (Bond™ Polymer Refine Detection) was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin. Nuclear staining on mouse cerebrum. The section was incubated with ab255611 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument



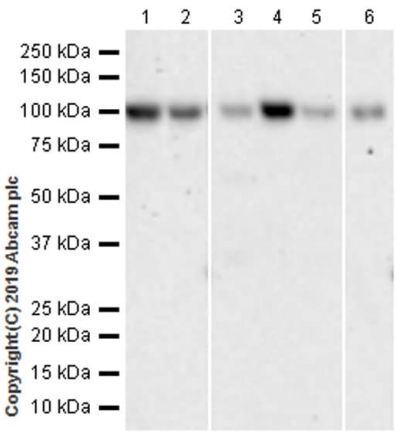
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP1 antibody [EPR22826-65] (ab255611)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human lung carcinoma tissue labelling BAP1 with ab255611 at 1/100 dilution. Heat mediated antigen retrieval was performed usingTris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins, LeicaDS9800 (Bond™ Polymer Refine Detection) was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin. Nuclear staining on human lung carcinoma. The section was incubated with ab255611 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BAP1 antibody [EPR22826-65] (ab255611)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon carcinoma tissue labelling BAP1 with ab255611 at 1/100 dilution. Heat mediated antigen retrieval was performed usingTris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins, LeicaDS9800 (Bond™ Polymer Refine Detection) was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin. Nuclear staining on human colon carcinoma. The section was incubated with ab255611 for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument



Western blot - Anti-BAP1 antibody [EPR22826-65] (ab255611)

All lanes : Anti-BAP1 antibody [EPR22826-65] (ab255611) at 1/1000 dilution

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate
Lane 2 : PC-3 (human prostate adenocarcinoma epithelial cell), whole cell lysate
Lane 3 : HepG2 (human hepatocellular carcinoma epithelial cell), whole cell lysate
Lane 4 : A375 (human malignant melanoma epithelial cell), whole cell lysate
Lane 5 : MDA-MB-231 (human breast adenocarcinoma epithelial cell), whole cell lysate
Lane 6 : A549 (human lung carcinoma epithelial cell), whole cell lysate

Lysates/proteins at 20 µg per lane.

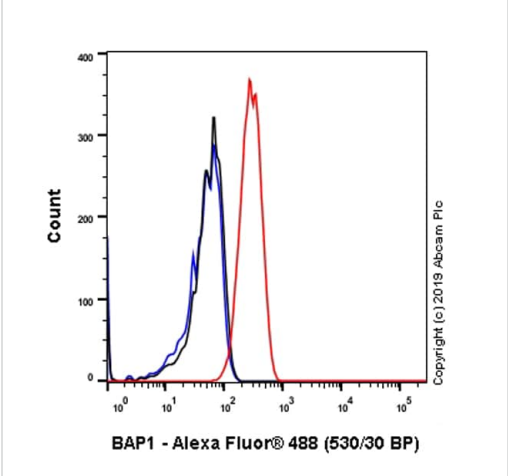
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 80 kDa
Observed band size: 100 kDa

Exposure time: 3 minutes

The molecular weight observed is consistent with what has been described in the literature (PMID: 18757409).

Blocking/Dilution buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-BAP1 antibody [EPR22826-65] (ab255611)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized PC-3 (human prostate adenocarcinoma epithelial cell) cells labeling BAP1 with ab255611 at 1/60 (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.

Anti-BAP1 antibody [EPR22826-65] (ab255611)

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