

Product datasheet

Anti-Baf180 antibody [EPR15860] ab196022

KO VALIDATED Recombinant RabMAb

3 References 7 Images

Overview

Product name	Anti-Baf180 antibody [EPR15860]
Description	Rabbit monoclonal [EPR15860] to Baf180
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal kidney lysate; HeLa nuclear lysate; IHC-P: Human kidney tissue; ICC/IF: HeLa cells.
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>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</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: 7.2 Preservative: 0.01% Sodium azide

	Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15860
Isotype	IgG

Applications

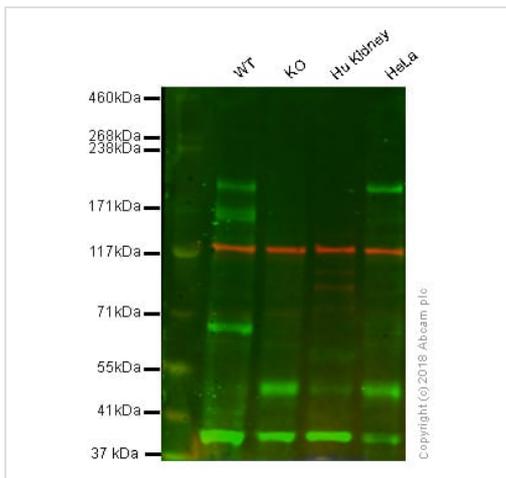
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab196022 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/10000. Detects a band of approximately 193 kDa (predicted molecular weight: 193 kDa).
ICC/IF		1/100.

Target

Function	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Act as a negative regulator of cell proliferation.
Tissue specificity	Widely expressed.
Involvement in disease	Defects in PBRM1 are a cause of renal cell carcinoma (RCC) [MIM:144700]. It is a heterogeneous group of sporadic or hereditary carcinoma derived from cells of the proximal renal tubular epithelium. It is subclassified into clear cell renal carcinoma (non-papillary carcinoma), papillary renal cell carcinoma, chromophobe renal cell carcinoma, collecting duct carcinoma with medullary carcinoma of the kidney, and unclassified renal cell carcinoma.
Sequence similarities	Contains 2 BAH domains. Contains 6 bromo domains. Contains 1 HMG box DNA-binding domain.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



Western blot - Anti-Baf180 antibody [EPR15860] (ab196022)

Lane 1: Wild-type HAP1 cell lysate (20 µg)

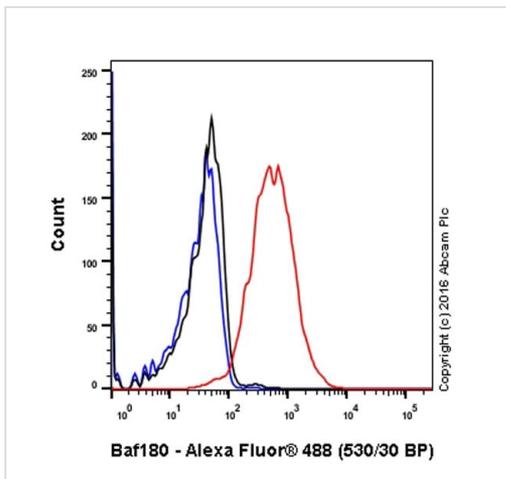
Lane 2: Baf180 knockout HAP1 cell lysate (20 µg)

Lane 3: Human kidney tissue lysate (20 µg)

Lane 4: HeLa cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab196022 observed at 193 kDa. Red - loading control, ab18058, observed at 124 kDa.

ab196022 was shown to recognize Baf180 when Baf180 knockout samples were used, along with additional cross-reactive bands. Wild-type and Baf180 knockout samples were subjected to SDS-PAGE. ab196022 and ab18058 (loading control to Vinculin) were diluted 1/5000 and 1/10000 respectively and incubated overnight at 4°C. 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 1/10000 dilution for 1 hour at room temperature before imaging.

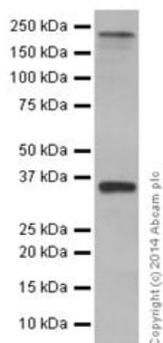


Flow Cytometry (Intracellular) - Anti-Baf180 antibody [EPR15860] (ab196022)

ab196022 staining Baf180 in the human cell line HeLa (human cervix adenocarcinoma) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. The sample was incubated with the primary antibody at a dilution of 1/250. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isotype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)



Western blot - Anti-Baf180 antibody [EPR15860]
(ab196022)

Anti-Baf180 antibody [EPR15860] (ab196022) at 1/10000 dilution
+ Human fetal kidney lysate at 10 μ g

Secondary

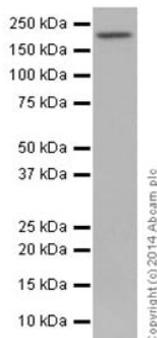
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000
dilution

Predicted band size: 193 kDa

Observed band size: 193,35 kDa

Exposure time: 3 minutes

5% NFDm/TBST: Blocking and diluting buffer.



Western blot - Anti-Baf180 antibody [EPR15860]
(ab196022)

Anti-Baf180 antibody [EPR15860] (ab196022) at 1/10000 dilution
+ HeLa (Human epithelial cells from cervix adenocarcinoma)
nuclear lysate at 10 μ g

Secondary

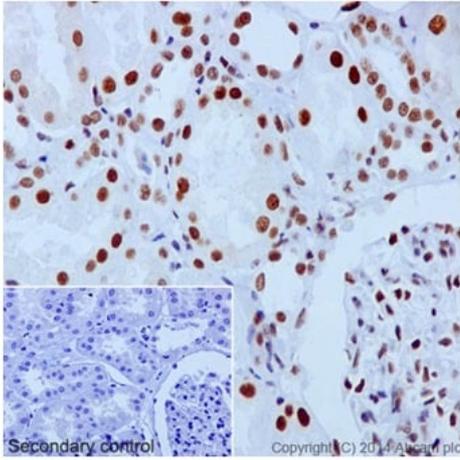
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000
dilution

Predicted band size: 193 kDa

Observed band size: 193 kDa

Exposure time: 15 seconds

5% NFDm/TBST: Blocking and diluting buffer.

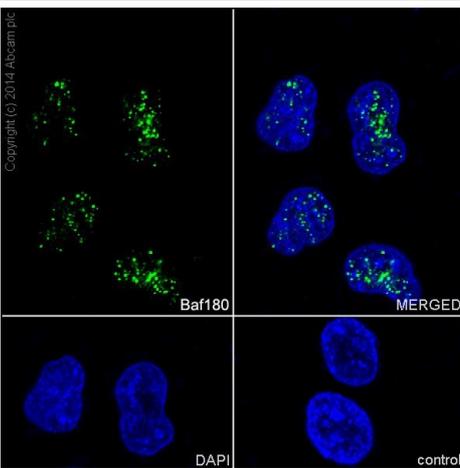


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Baf180 antibody [EPR15860] (ab196022)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling Baf180 using ab196022 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on Human kidney tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Baf180 antibody [EPR15860] (ab196022)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling Baf180 with ab196022 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). The nuclear counter stain is DAPI (blue).

Nuclear staining on HeLa cell line is observed.

-ve control - Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution. The nuclear counter stain is DAPI (blue).

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>

Anti-Baf180 antibody [EPR15860] (ab196022)

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