

Anti-CNOT7 antibody [EPR18722] - BSA and Azide free ab240994

KO VALIDATED

Recombinant

RabMAb

7 Images

Overview

Product name	Anti-CNOT7 antibody [EPR18722] - BSA and Azide free
Description	Rabbit monoclonal [EPR18722] to CNOT7 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse ovary, embryo, brain and heart lysates; MOLT-4, F9, SP2/0, C6, PC-12, HeLa, HepG2, NTERA-2/D1 and NCCIT whole cell lysates; rat kidney, spleen and heart lysates; human fetal brain, fetal heart, fetal kidney and fetal spleen lysates. IP: HeLa whole cell lysate. ICC: NIH/3T3 and F9 cells. Flow Cyt (intra): NIH/3T3 and F9 cells.
General notes	ab240994 is the carrier-free version of ab195587 .

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.

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.

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.

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.

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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18722
Isotype	IgG

Applications

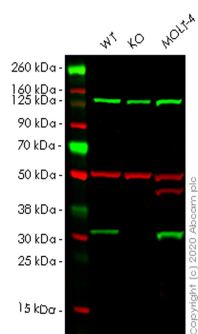
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab240994 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

Target

Function	Ubiquitous transcription factor required for a diverse set of processes. It is a component of the CCR4 complex involved in the control of gene expression.
Sequence similarities	Belongs to the CAF1 family.
Cellular localization	Nucleus.

Images



Western blot - Anti-CNOT7 antibody [EPR18722] - BSA and Azide free (ab240994)

All lanes : Anti-CNOT7 antibody [EPR18722] ([ab195587](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : CNOT7 knockout HeLa cell lysate

Lane 3 : MOLT-4 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

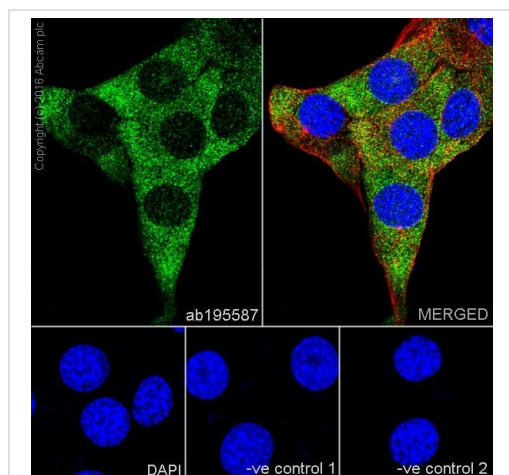
Predicted band size: 33 kDa

Observed band size: 33 kDa

This data was developed using [ab195587](#), the same antibody clone in a different buffer formulation.

Lanes 1-3: Merged signal (red and green). Green - [ab195587](#) observed at 33 kDa. Red - loading control [ab7291](#) observed at 50 kDa.

[ab195587](#) Anti-CNOT7 antibody [EPR18722] was shown to specifically react with CNOT7 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265811](#) (knockout cell lysate [ab258370](#)) was used. Wild-type and CNOT7 knockout samples were subjected to SDS-PAGE. [ab195587](#) 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.



Immunocytochemistry/ Immunofluorescence - Anti-CNOT7 antibody [EPR18722] - BSA and Azide free (ab240994)

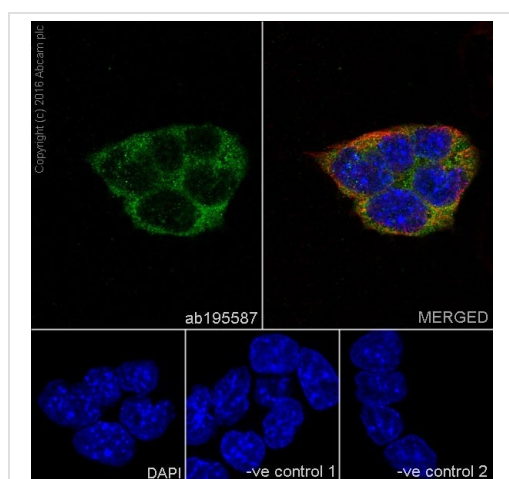
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized NIH/3T3 (Mouse embryonic fibroblast cell line) cells labeling CNOT7 with **ab195587** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on NIH/3T3 cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary antibody at 1/1000 dilution (red).

The negative controls are as follows:

-ve control 1: **ab195587** at 1/1000 dilution, followed by Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary at 1/XXXX dilution.

-ve control 2: Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab195587**).



Immunocytochemistry/ Immunofluorescence - Anti-CNOT7 antibody [EPR18722] - BSA and Azide free (ab240994)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized F9 (Mouse embryonic testicular cancer cell line) cells labeling CNOT7 with **ab195587** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on NIH/3T3 cell line. The nuclear counter stain is DAPI (blue).

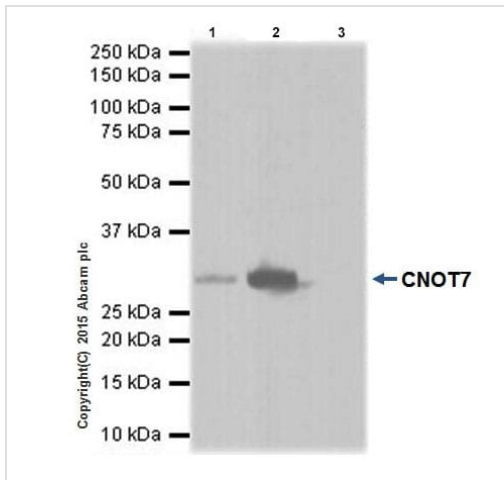
Tubulin is detected with Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary antibody at 1/1000 dilution (red).

The negative controls are as follows:

-ve control 1: **ab195587** at 1/1000 dilution, followed by Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary at 1/XXXX dilution.

-ve control 2: Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab195587](#))



Immunoprecipitation - Anti-CNOT7 antibody
[EPR18722] - BSA and Azide free (ab240994)

CNOT7 was immunoprecipitated from 1mg of HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate with [ab195587](#) at 1/40 dilution. Western blot was performed from the immunoprecipitate using [ab195587](#) at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

Lane 1: HeLa whole cell lysate 10µg (Input).

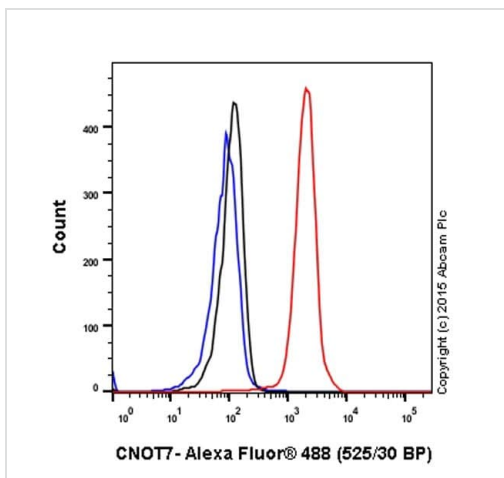
Lane 2: [ab195587](#) IP in HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab195587](#) in HeLa whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.

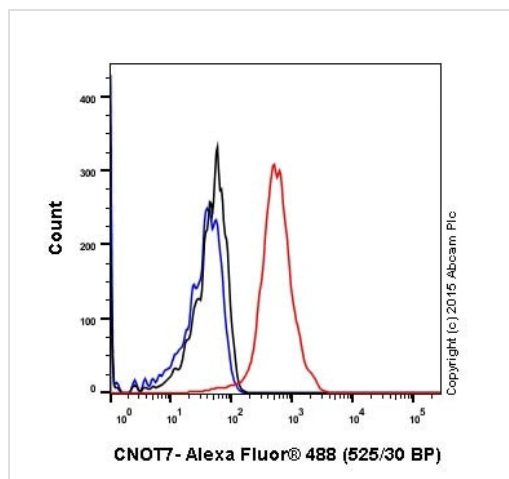
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab195587](#))



Flow Cytometry (Intracellular) - Anti-CNOT7 antibody
[EPR18722] - BSA and Azide free (ab240994)

Intracellular Flow Cytometry analysis of 4% paraformaldehyde fixed NIH/3T3 (Mouse embryonic fibroblast cell line) cell line labelling CNOT7 with [ab195587](#) at 1/1000 dilution (red), isotype control with [ab172730](#) (black) and unlabelled control cells without incubation with primary antibody and secondary antibody (blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab195587](#))



Flow Cytometry (Intracellular) - Anti-CNOT7 antibody
[EPR18722] - BSA and Azide free (ab240994)

Intracellular Flow Cytometry analysis of 4% paraformaldehyde fixed F9 (Mouse embryonic testicular cancer cell line) cells labeling CNOT7 with **ab195587** at 1/1000 dilution (red), isotype control with **ab172730** (black) and unlabeled control cells without incubation with primary antibody and secondary antibody (blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab195587**)

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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