abcam

Product datasheet

Anti-CNOT6 antibody [EPR22022] ab221151

Recombinant RabMAb

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Overview

Product name	Anti-CNOT6 antibody [EPR22022]
Description	Rabbit monoclonal [EPR22022] to CNOT6
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP **Unsuitable for:** Flow Cyt,ICC/IF or IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, Jurkat and MCF7 whole cell lysates. IP: Jurkat and HeLa whole cell lysates. Human testis, ovaries and heart tissue lysates.
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, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22022

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab221151 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
WB	★★★☆☆ **(2)**	1/1000. Predicted molecular weight: 63 kDa.
IP		1/30.

Application notes Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

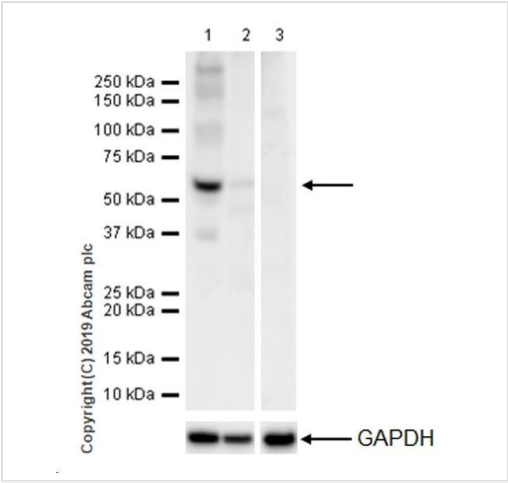
Target

Function Poly(A) nuclease involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the FOS gene in the cytoplasm. Has 3'-5' RNase activity. The CCR4-NOT complex functions as general transcription regulation complex.

Sequence similarities Belongs to the CCR4/nocturin family.
Contains 4 LRR (leucine-rich) repeats.

Cellular localization Cytoplasm. Nucleus.

Images



Western blot - Anti-CNOT6 antibody [EPR22022] (ab221151)

All lanes : Anti-CNOT6 antibody [EPR22022] (ab221151) at 1/1000 dilution

Lane 1 : Human testis lysate with 5% NFDM/TBST
Lane 2 : Human ovary lysate with 5% NFDM/TBST
Lane 3 : Human heart lysate with 5% NFDM/TBST

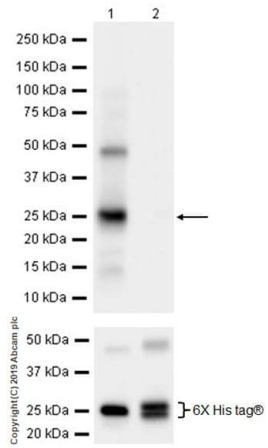
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

Predicted band size: 63 kDa
Observed band size: 60 kDa

Exposure time: 37 seconds

The expression profile is consistent with what has been described in the literature (PMID: 21741365).



Western blot - Anti-CNOT6 antibody [EPR22022] (ab221151)

All lanes : Anti-CNOT6 antibody [EPR22022] (ab221151) at 1/1000 dilution

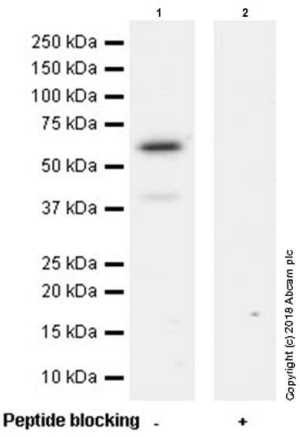
Lane 1 : His-tagged human CNOT6 recombinant protein(aa1-210) with 5% NFDM/TBST
Lane 2 : His-tagged human CNOT6L recombinant protein(aa1-210) with 5% NFDM/TBST

Lysates/proteins at 0.002 µg per lane.

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

Predicted band size: 63 kDa

Exposure time: 3 seconds



Western blot - Anti-CNOT6 antibody [EPR22022] (ab221151)

All lanes : Anti-CNOT6 antibody [EPR22022] (ab221151) at 1/1000 dilution

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate
Lane 2 : HeLa whole cell lysate with CNOT6 Immunogen peptide

Lysates/proteins at 20 µg per lane.

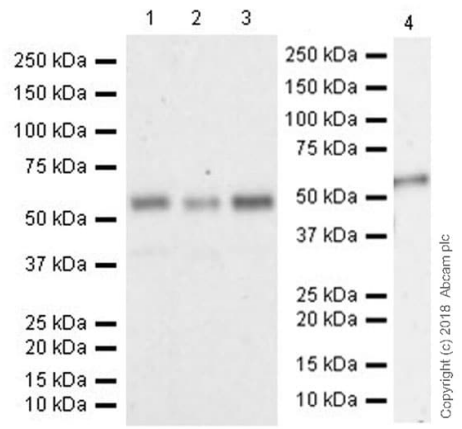
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 63 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

The reactivity of the antibody with the target protein in the HeLa lysate was blocked by the inclusion of the peptide antigen.



Western blot - Anti-CNOT6 antibody [EPR22022] (ab221151)

All lanes : Anti-CNOT6 antibody [EPR22022] (ab221151) at 1/1000 dilution

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate
Lane 2 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 3 : MCF7 (human breast adenocarcinoma cell line) whole cell lysate
Lane 4 : Human ovary cancer lysate

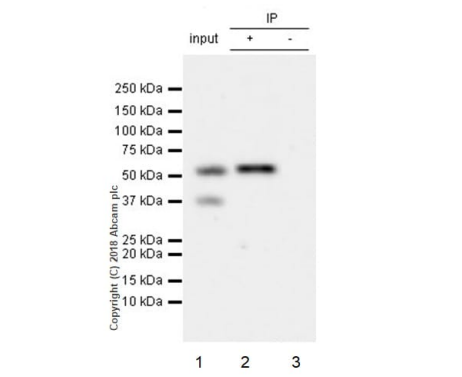
Lysates/proteins at 20 µg per lane.

Secondary
Lanes 1-3 : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution
Lane 4 : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

Predicted band size: 63 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-CNOT6 antibody [EPR22022] (ab221151)

CNOT6 was immunoprecipitated from 0.35 mg of HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab221151 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab221151 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

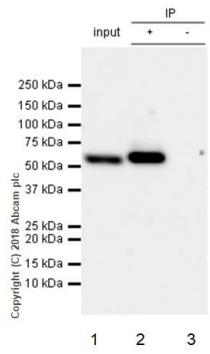
Lane 1: HeLa whole cell lysate 10 µg (Input).

Lane 2: ab221151 IP in HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab221151 in HeLa whole cell lysate.

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

Exposure time: 30 seconds.



Immunoprecipitation - Anti-CNOT6 antibody [EPR22022] (ab221151)

CNOT6 was immunoprecipitated from 0.35 mg of Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate with ab221151 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab221151 at 1/500 dilution. VeriBlot for IP secondary antibody (HRP) (**ab131366**), was used as secondary antibody at 1/1000 dilution.

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

Lane 2: ab221151 IP in Jurkat whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab221151 in Jurkat whole cell lysate.

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

Exposure time: 30 seconds.

Anti-CNOT6 antibody [EPR22022] (ab221151)

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