abcam

ab48027

Anti-CNBP antibody

Key facts

Isotype	IgG
Host species	Goat
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Form	Liquid
Clonality	Polyclonal
Immunogen	Synthetic Peptide within Human CNBP aa 150 to C-terminus. The exact immunogen used to generate this antibody is proprietary information. Database link P62633
Purification technique	Affinity purification Immunogen
Specificity	No crossreaction expected with CCHC domain containing 13.
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Reactivity data

WB

Tested

Species	Human
Dilution info	1-3 µg/mL
Notes	1 hour primary incubation is recommended for this product.

Species	Mouse
Dilution info	1-3 µg/mL
Notes	-

Predicted

Species	Chicken, Cow, Dog, Xenopus laevis, Chimpanzee, Cynomolgus monkey, Macaque monkey
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	10 µg/mL
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Chicken, Cow, Dog, Xenopus laevis, Chimpanzee, Cynomolgus monkey, Macaque monkey
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human

Dilution info	10 µg/mL
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Chicken, Cow, Dog, Xenopus laevis, Chimpanzee, Cynomolgus monkey, Macaque monkey
Dilution info	-
Notes	-

Target data

See full target information CNBP

Function	Single-stranded DNA-binding protein that preferentially binds to the sterol regulatory element (SRE) sequence 5'-GTGCGGTG-3', and thereby mediates transcriptional repression (PubMed:2562787). Has a role as transactivator of the Myc promoter (By similarity). Binds single-stranded RNA in a sequence-specific manner (By similarity). Isoform 1. Binds G-rich elements in target mRNA coding sequences (PubMed:28329689). Prevents G-quadruplex structure formation in vitro, suggesting a role in supporting translation by resolving stable structures on mRNAs (PubMed:28329689). Isoform 2. Binds to RNA. Isoform 4. Binds to RNA. Isoform 5. Binds to RNA. Isoform 6. Binds to RNA. Isoform 8. Binds to RNA.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot

Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

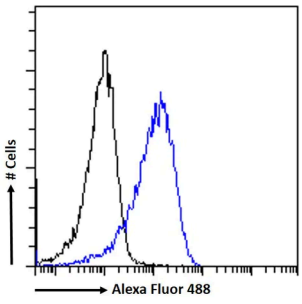
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

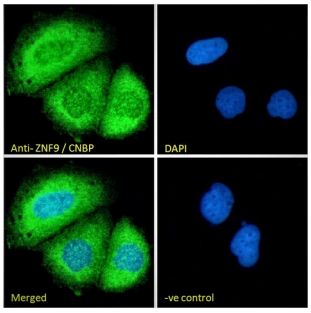
4 product images



Flow Cytometry - Anti-CNBP antibody (ab48027)

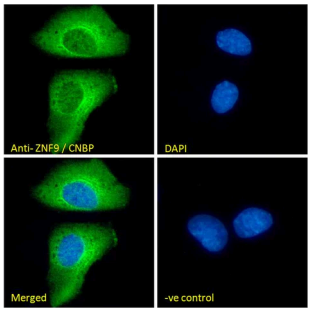
CNBP Flow Cytometry staining using goat Anti-CNBP antibody

Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10µg/mL) followed by Alexa Fluor 488 secondary antibody (1µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-CNBP antibody (ab48027)

Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunocytochemistry/ Immunofluorescence - Anti-CNBP antibody (ab48027)

Immunofluorescence analysis of paraformaldehyde fixed Neuro-2a cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

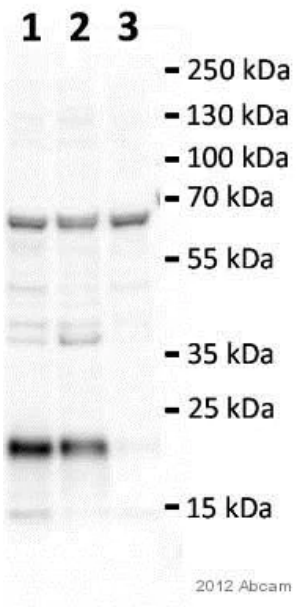


Image courtesy of an anonymous customer review.

Western blot - Anti-CNBP antibody (ab48027)

All lanes:
Western blot - Anti-CNBP antibody (ab48027) at 1 µg/mL

Lane 1:
Whole cell lysate prepared from 9L cells at 20 µg

Lane 2:
Whole cell lysate prepared from PC12 cells at 20 µg

Lane 3:
Whole cell lysate prepared from RIE-1 cells at 20 µg

Secondary

All lanes:
HRP conjugated rabbit anti-goat polyclonal at 1/5000 dilution

Developed using the ECL technique.

Predicted band size: 19 kDa

Observed band size: 20 kDa, 65 kDa

Exposure time: 6min

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.