

**CNBP Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20285c**

**Specification**

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**CNBP Antibody (Center) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P62633</a>
Other Accession	<a href="#">P62634</a> , <a href="#">P53996</a> , <a href="#">O42395</a> , <a href="#">O3T0O6</a> , <a href="#">NP_001120665.1</a>
Reactivity	<b>Human, Rat</b>
Predicted	<b>Bovine, Chicken, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>19463</b>
Antigen Region	<b>91-118</b>

**CNBP Antibody (Center) - Additional Information**

**Gene ID** 7555

**Other Names**

Cellular nucleic acid-binding protein, CNBP, Zinc finger protein 9, CNBP, RNF163, ZNF9

**Target/Specificity**

This CNBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 91-118 amino acids from the Central region of human CNBP.

**Dilution**

WB~~1:1000

IHC-P~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CNBP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**CNBP Antibody (Center) - Protein Information**

**Name** CNBP ([HGNC:13164](#))

### Synonyms RNF163, ZNF9

**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).

### Cellular Location

Nucleus {ECO:0000250|UniProtKB:P53996}. Cytoplasm. Endoplasmic reticulum {ECO:0000250|UniProtKB:P53996} [Isoform 2]: Cytoplasm [Isoform 5]: Cytoplasm [Isoform 8]: Cytoplasm

### Tissue Location

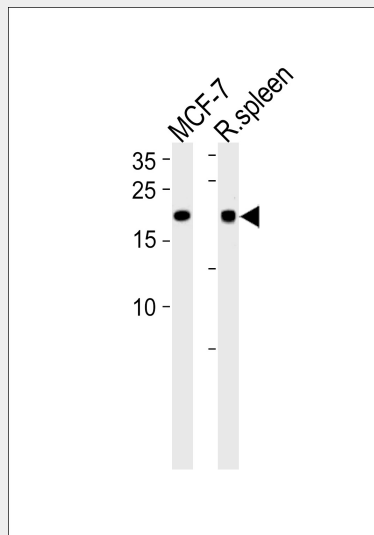
Expressed in the liver, kidney, spleen, testis, lung, muscle and adrenal glands.

## CNBP Antibody (Center) - Protocols

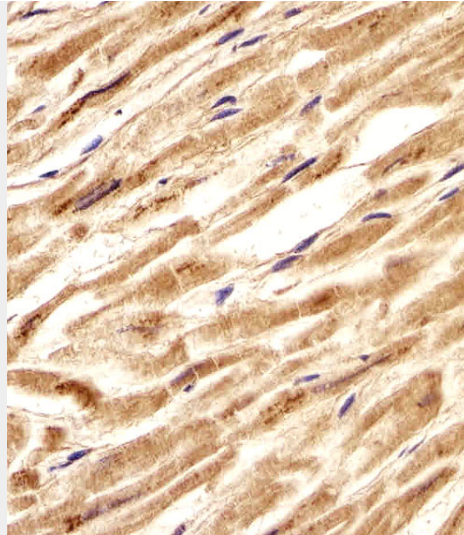
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CNBP Antibody (Center) - Images



CNBP Antibody (Center) (Cat. #AP20285c) western blot analysis in MCF-7 cell line and rat spleen tissue lysates (35ug/lane). This demonstrates the CNBP antibody detected the CNBP protein (arrow).



Immunohistochemical analysis of paraffin-embedded H. heart section using CNBP Antibody (Center)(Cat#AP20285c). AP20285c was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

#### **CNBP Antibody (Center) - Background**

This gene encodes a nucleic-acid binding protein with seven zinc-finger domains. The protein has a preference for binding single stranded DNA and RNA. The protein functions in cap-independent translation of ornithine decarboxylase mRNA, and may also function in sterol-mediated transcriptional regulation. A CCTG expansion in the first intron of this gene results in myotonic dystrophy type 2. Multiple transcript variants encoding different isoforms have been found for this gene.

#### **CNBP Antibody (Center) - References**

Catalli, C., et al. J Mol Diagn 12(5):601-606(2010)  
Massa, R., et al. Neuropathol. Appl. Neurobiol. 36(4):275-284(2010)  
Sammons, M.A., et al. PLoS ONE 5 (2), E9301 (2010) :  
Lucchiari, S., et al. J. Neurol. Sci. 275 (1-2), 159-163 (2008) :  
Auvinen, S., et al. Arthritis Rheum. 58(11):3627-3631(2008)