

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

Specification

CNBP Antibody (Center) - Product Information

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

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

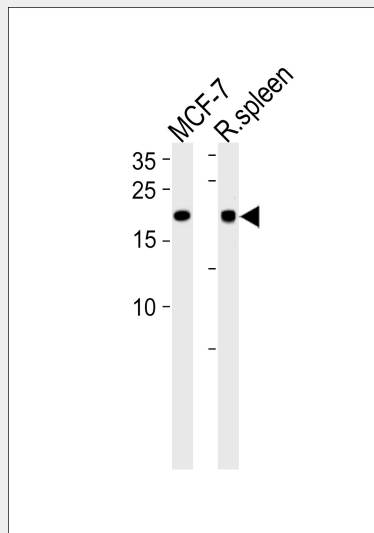
Expressed in the liver, kidney, spleen, testis, lung, muscle and adrenal glands.

CNBP Antibody (Center) - Protocols

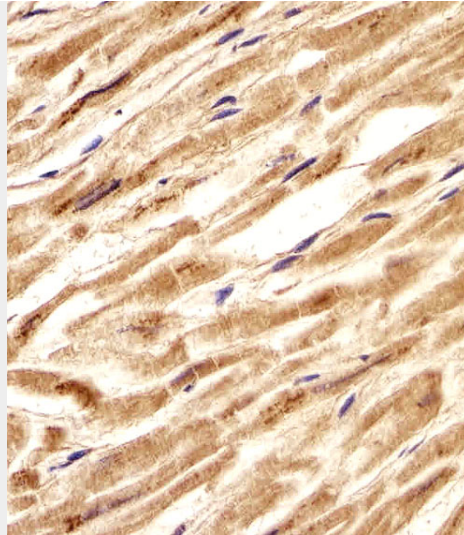
Provided below are standard protocols that you may find useful for product applications.

- [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)