10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CNBP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20285c

Product Information

Application	WB, IHC-P, E
Primary Accession	P62633
Other Accession	P62634, P53996, O42395, Q3T0Q6, NP_001120665.1
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Chicken, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	19463
Antigen Region	91-118

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~~1:100~500 E~~Use at an assay dependent concentration.
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.

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.

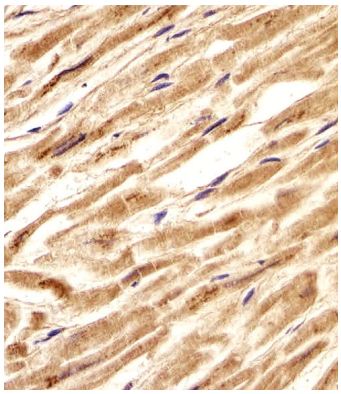
Background

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.

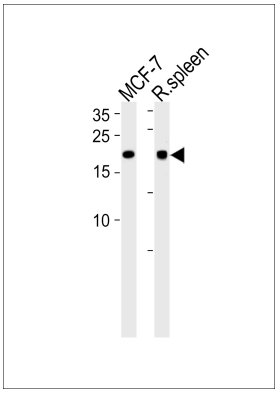
References

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)

Images



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) (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).