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anti-CNBP antibody (N-Term)





Overview	
Quantity:	100 μL
Target:	CNBP
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNBP antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CNBP
Sequence:	SSNECFKCGR SGHWARECPT GGGRGRGMRS RGRGGFTSDR GFQFVSSSLP
Predicted Reactivity:	Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against CNBP. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	CNBP
Alternative Name:	CNBP (CNBP Products)

Background:
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CNBP is 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. 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.

Alias Symbols: CNBP1, DM2, PROMM, RNF163, ZCCHC22, ZNF9

Protein Interaction Partner: UBC, EZH2, BMI1, SUZ12, RNF2, BZW2, FERMT2, PFAS, EIF6, HSPA9, DFFA, MAPK14, PAN2, VCAM1, ITGA4, KCND3, Mis12, Cnbp, ZWINT, MYH4, FKTN, PCBP2, RPL31, HNRNPA3, BRIX1, APOBEC3C, RBMX, RSL1D1, RPL36, HNRNPUL1, EBNA1BP2, IGF2BP3, IGF2BP1, SYNCRIP, HNRNPR, DAP

Protein Size: 177

Molecular Weight:	19 kDa
Gene ID:	7555
NCBI Accession:	NM_003418, NP_003409
UniProt:	P62633

### **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 177 AA
Restrictions:	For Research Use only

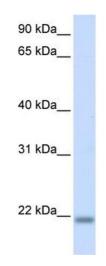
# Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

# Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Images**



# **Western Blotting**

**Image 1.** WB Suggested Anti-CNBP Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:2500 Positive Control: Human brain



# **Western Blotting**

**Image 2.** CNBP antibody - N-terminal region validated by WB using human primary myoblasts at 1:1000.