

**Goat Anti-ZNF9 / CNBP Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF2171a

### Specification

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#### Goat Anti-ZNF9 / CNBP Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P62633</a>
Other Accession	<a href="#">NP_003409</a> , <a href="#">7555</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	19463

#### Goat Anti-ZNF9 / CNBP Antibody - Additional Information

**Gene ID** 7555

#### Other Names

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

#### Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-ZNF9 / CNBP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-ZNF9 / CNBP Antibody - 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:<a href="http://www.uniprot.org/citations/2562787" target="\_blank">2562787</a>). 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.

### Goat Anti-ZNF9 / CNBP Antibody - 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](#)

### Goat Anti-ZNF9 / CNBP Antibody - Images



AF2171a (2 µg/ml) staining of Human Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-ZNF9 / CNBP Antibody - 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.

### Goat Anti-ZNF9 / CNBP Antibody - References

Validation of sensitivity and specificity of tetraplet-primed PCR (TP-PCR) in the molecular diagnosis

of myotonic dystrophy type 2 (DM2). Catalli C, et al. J Mol Diagn, 2010 Sep. PMID 20616365.  
Myotonic dystrophy type 2 found in two of sixty-three persons diagnosed as having fibromyalgia.  
Auvinen S, et al. Arthritis Rheum, 2008 Nov. PMID 18975316.  
Colocalization of ribonuclear inclusions with muscle blind like-proteins in a family with myotonic  
dystrophy type 2 associated with a short CCTG expansion. Lucchiari S, et al. J Neurol Sci, 2008 Dec  
15. PMID 18804219.  
Violating the splicing rules: TG dinucleotides function as alternative 3' splice sites in U2-dependent  
introns. Szafranski K, et al. Genome Biol, 2007. PMID 17672918.  
Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al.  
Mol Syst Biol, 2007. PMID 17353931.