

# **CNTD Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59368

## **Specification**

# **CNTD Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, E

Primary Accession <u>Q8N815</u>

Reactivity Rat, Pig, Bovine Rabbit

Clonality Polyclonal Calculated MW 37 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human CNTD

Epitope Specificity 1-100/330

Isotype Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SIMILARITY
Important Note
Contains 1 cyclin N-terminal domain.
This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

**Background Descriptions** 

No data available.

# **CNTD Polyclonal Antibody - Additional Information**

## **Gene ID 124817**

# **Other Names**

Cyclin N-terminal domain-containing protein 1, CNTD1, CNTD

### **Dilution**

- <span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>
- ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
- ="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
- ="dilution\_IF">IF $\sim$ 1:50 $\sim$ 200</span><br\><span class ="dilution\_E">E $\sim$ N/A</span>

### Storage

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

# **CNTD Polyclonal Antibody - Protein Information**



## Name CNTD1 (HGNC:26847)

## **Synonyms CNTD**

### **Function**

Plays a role in the different steps of crossover formation during meiotic recombination. Participates in the crossover differentiation step of crossover-specific recombination intermediates through its interaction with PRR19. In addition, stimulates crossover formation through the interactions with RFC3 and RFC4 and simultaneously regulates cell-cycle progression through interactions with CDC34 and subsequent ubiquitination of WEE1. May also participates in an active deselection process that destabilizes or removes excess pre-CO intermediates.

### **Cellular Location**

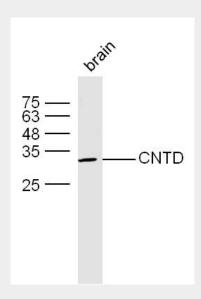
Nucleus {ECO:0000250|UniProtKB:Q9D995}. Cytoplasm {ECO:0000250|UniProtKB:Q9D995}. Chromosome {ECO:0000250|UniProtKB:Q9D995}. Note=Shuttles between the nucleus and cytoplasm in a stage-specific manner of prophase I cells. Co-localized at crossover sites with PRR19. {ECO:0000250|UniProtKB:Q9D995}

# **CNTD Polyclonal 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 Cytomety
- Cell Culture

## **CNTD Polyclonal Antibody - Images**

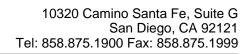


Sample: Brain (Mouse) Lysate at 40 ug

Primary: Anti-CNTD (bs-9739R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD





Observed band size: 34 kD