

**CNTD Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP59368****Specification**

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**CNTD Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8N815</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36921

**CNTD Polyclonal Antibody - Additional Information****Gene ID** 124817**Other Names**

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

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °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 °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**

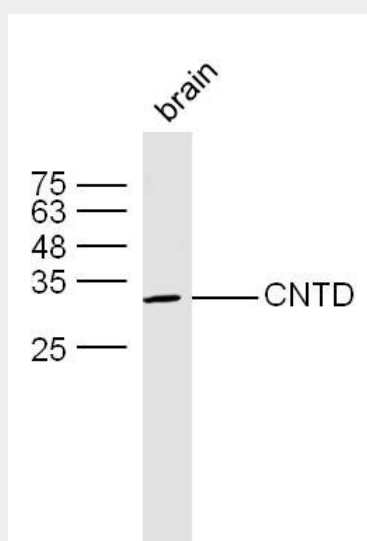
Nucleus {ECO:0000250|UniProtKB:Q9D995}. Cytoplasm {ECO:0000250|UniProtKB:Q9D995}. Chromosome {ECO:0000250|UniProtKB:Q9D995}. Note=Shuttles between the nucleus and cytoplasm in a stage-specific manner of prophase I cells. Co-localized at crossover sites with PRR19. {ECO:0000250|UniProtKB:Q9D995}

## 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 Cytometry](#)
- [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