

CNTD1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13528**Specification**

CNTD1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q8N815
Other Accession	NM_173478 , NP_775749
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Bovine, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 37kDa KDa

CNTD1 antibody - N-terminal region - Additional Information**Gene ID** 124817**Alias Symbol** CNTD, FLJ40137**Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CNTD1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CNTD1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CNTD1 antibody - N-terminal region - 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.

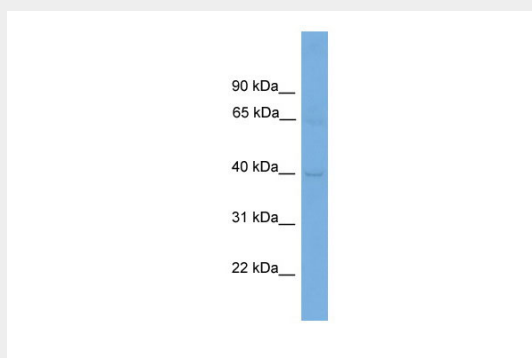
Cellular Location

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}

CNTD1 antibody - N-terminal region - 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](#)

CNTD1 antibody - N-terminal region - Images

WB Suggested Anti-CNTD1 Antibody Titration: 0.2-1 µg/ml
Positive Control: ACHN cell lysate

CNTD1 antibody - N-terminal region - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.