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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	**Human, Mouse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**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.

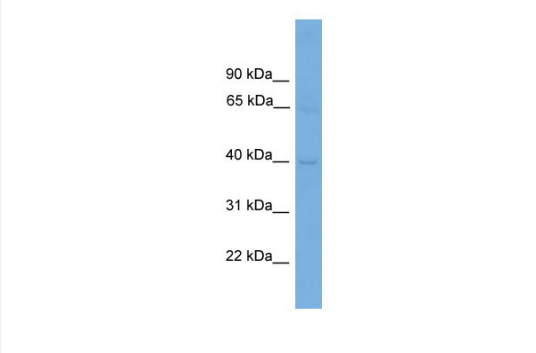
Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q9D995}. Cytoplasm {ECO:0000250|UniProtKB:Q9D995}. Chromosome {ECO:0000250|UniProtKB:Q9D995}. Note=Shuttles between the nucleus and cytoplasm in a stage-specific manner of prophase I cells. Co-localized at crossover sites with PRR19. {ECO:0000250|UniProtKB:Q9D995}

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 Cytomety
- 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.