10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CNTD Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59368

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q8N815
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36921
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CNTD
Epitope Specificity	1-100/330
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 cyclin N-terminal domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	No data available.

Additional Information

Gene ID	124817
Other Names	Cyclin N-terminal domain-containing protein 1, CNTD1, CNTD
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

Protein Information

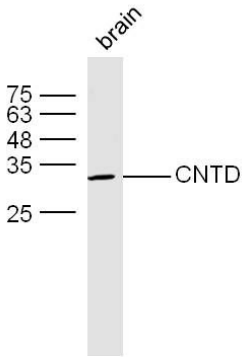
Name	CNTD1 (HGNC:26847)
Synonyms	CNTD
Function	Plays a role in the different steps of crossover formation during meiotic

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}

Images



Sample: Brain (Mouse) Lysate at 40 ug
Primary: Anti-CNTD (AP59368) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 37 kD
Observed band size: 34 kD