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

CFDP1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13378

Product Information

Application	WB
Primary Accession	Q9UEE9
Other Accession	NM_006324, NP_006315
Reactivity	Human, Mouse, Rat, Rabbit, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33593

Additional Information

Gene ID	10428
Alias Symbol	BCNT, CP27, SWC5, Yeti, p97, CENP-29, BUCENTAUR
Other Names	Craniofacial development protein 1, Bucentaur, CFDP1, BCNT, CENP-29
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-CFDP1 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	CFDP1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

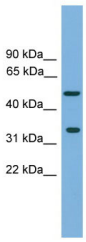
Name	CFDP1
Synonyms	BCNT, CENP-29
Function	Required for the structural stability of pericentromeric heterochromatin (PubMed:28367969). Regulates heterochromatin state by stabilizing CBX5/HP1alpha and H3K9me3 at major satellites and CENPA at minor satellites and is required for incorporation of histone H2AZ1/H2AZ into chromatin (By similarity). Maintenance of chromatin structure promotes binding of guanine-nucleotide releasing factor RCC1 to minor and major satellite repeats (By similarity). Chromatin-bound RCC1 maintains high levels of GTP-bound RAN near the centromeric heterochromatin, facilitating RAN-mediated microtubule nucleation during mitosis (By similarity). Plays a

	role in craniofacial development (By similarity). Required to maintain normal cell function in embryonic development (By similarity).
Cellular Location	Chromosome, centromere, kinetochore. Nucleus Chromosome. Note=Colocalizes with heterochromatin at major and minor satellites {ECO:0000250|UniProtKB:O88271}
Tissue Location	Ubiquitous..

References

Nobukuni T.,et al.J. Biol. Chem. 272:2801-2807(1997).
Takahashi I.,et al.Gene 211:387-394(1998).
Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Iwashita S.,et al.Biochim. Biophys. Acta 1427:408-416(1999).

Images



WB Suggested Anti-CFDP1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: NCI-H226 cell lysate
CFDP1 is supported by BioGPS gene expression data to be expressed in NCIH226

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.