

Centrin-1+Centrin-2 Rabbit pAb

Catalog # AP97294

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q12798
Other Accession	Q12798
Reactivity	Rat, Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19570
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Centrin 1
Epitope Specificity	101-172/172
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the centrin family. Contains 4 EF-hand domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C4orf32 is a 132 amino acid single pass membrane protein that is encoded by a gene that maps to human chromosome 4. Human chromosome 4 represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is located on chromosome 4. FGFR-3 is also encoded by a gene that maps to human chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

Additional Information

Gene ID	1068
Other Names	CEN1; CETN; caltractin; CETN1_HUMAN; CETN1; Caltractin isoform 2; CETN1_MOUSE; Calt; centrin 1; centrin, EF-hand protein, 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	CETN1 (HGNC:1866)
Synonyms	CEN1, CETN
Function	Plays a fundamental role in microtubule-organizing center structure and function (PubMed: 8175926). Plays a role in sperm cilia formation (By similarity).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cell projection, cilium {ECO:0000250 UniProtKB:P41209}. Note=Centrosome of interphase and mitotic cells. In the retinal photoreceptor cells, localizes at the connecting cilium, a thin bridge linking the cell body and the light- sensing outer segment (By similarity). {ECO:0000250 UniProtKB:P41209, ECO:0000269 PubMed:8175926}

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