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Rabbit Anti-CAMSAP1 antibody

SL12381R

Product Name:	CAMSAP1
Chinese Name:	钙调素调节蛋白相关蛋白抗体
Alias:	calmodulin regulated spectrin-associated protein 1; Calmodulin-regulated spectrin-associated protein 1; CAMP1_HUMAN; camsap1; PRO2405.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	178kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CAMSAP1:1401-1500/1602
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	CAMSAP1L1 is a 1,489 amino acid protein that contains one calponin-homology domain and one CKK domain, which serves to bind microtubules. There are three isoforms of CAMSAP1L1 that are produced as a result of alternative splicing events. The gene encoding CAMSAP1L1 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great

number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1.

Function:
Plays a role in the regulation of cell morphology and cytoskeletal organization.

Subcellular Location:
Cytoplasm; cytoskeleton.

Similarity:
Belongs to the CAMSAP1 family.
Contains 1 CH (calponin-homology) domain.
Contains 1 CKK domain.

SWISS:
Q5T5Y3

Gene ID:
157922

Database links:

Entrez Gene: 157922Human

Entrez Gene: 227634Mouse

SwissProt: Q5T5Y3Human

SwissProt: A2AHC3Mouse

Unigene: 522493Human

Unigene: 36834Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.