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Rabbit Anti-CAMSAP1/AF350 Conjugated antibody

SL12381R-AF350

Product Name	Anti-CAMSAP1/AF350
Chinese Name	AF350 标记的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.
Research Area	Cell biology Neurobiology Stem cells Transmembrane protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	178kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CAMSAP1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

Database links:
UniProtKB/Swiss-Prot: Q5T5Y3.2

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