

CAMSAP1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11271a**Specification**

CAMSAP1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q5T5Y3](#)
Other Accession [NP_056262.3](#)

CAMSAP1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 157922

Other Names

Calmodulin-regulated spectrin-associated protein 1, CAMSAP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CAMSAP1 Antibody (N-term) Blocking peptide - Protein Information

Name CAMSAP1

Function

Key microtubule-organizing protein that specifically binds the minus-end of non-centrosomal microtubules and regulates their dynamics and organization (PubMed:19508979, PubMed:21834987, PubMed:24486153, PubMed:24706919, PubMed:24117850). Specifically recognizes growing microtubule minus-ends and stabilizes microtubules (PubMed:24486153, PubMed:24706919). Acts on free microtubule minus-ends that are not capped by microtubule-nucleating proteins or other factors and protects microtubule minus-ends from depolymerization (PubMed:24486153, PubMed:24706919). In contrast to CAMSAP2 and CAMSAP3, tracks along the growing tips of minus-end microtubules without significantly affecting the polymerization rate; binds at the very tip of the microtubules minus-end and acts as a minus-end tracking protein (-TIP) that dissociates from microtubules after allowing

tubulin incorporation (PubMed:24486153, PubMed:24706919). Through interaction with spectrin may regulate neurite outgrowth (PubMed:24117850).

Cellular Location

Cytoplasm, cytoskeleton. Note=Associates with the minus-end of microtubules (PubMed:24486153, PubMed:24706919). In contrast to CAMSAP2 and CAMSAP3, does not form stretches of decorated microtubule minus- ends (PubMed:24486153, PubMed:24706919).

CAMSAP1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CAMSAP1 Antibody (N-term) Blocking peptide - Images