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

SSNA1 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20483a

Specification

SSNA1 Blocking Peptide (N-term) - Product Information

Primary Accession	O43805
Other Accession	Q9JJ94, O5E9C3

SSNA1 Blocking Peptide (N-term) - Additional Information

Gene ID 8636

Other Names
Sjoegren syndrome nuclear autoantigen 1, Nuclear autoantigen of 14 kDa, SSNA1, NA14

Target/Specificity
The synthetic peptide sequence is selected from aa 40-53 of Human SSNA1

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.

SSNA1 Blocking Peptide (N-term) - Protein Information

Name SSNA1 (HGNC:11321)

Function
Microtubule-binding protein which stabilizes dynamic microtubules by slowing growth and shrinkage at both plus and minus ends and serves as a sensor of microtubule damage, protecting microtubules from the microtubule-severing enzyme SPAST (PubMed:34970964). Induces microtubule branching which is mediated by the formation of long SSNA1 fibrils which guide microtubule protofilaments to split apart from the mother microtubule and form daughter microtubules (By similarity). Plays a role in axon outgrowth and branching (PubMed:25390646). Required for cell division (PubMed:25390646).

Cellular Location
Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Midbody. Cytoplasm,

cytoskeleton, flagellum basal body. Cytoplasm, cytoskeleton, flagellum axoneme. Cell projection, axon {ECO:0000250|UniProtKB:Q9JJ94}. Note=In sperm, strongly expressed in the basal body region with weaker expression in the axoneme (PubMed:12640030). Localizes to axon branching points in neurons (By similarity). {ECO:0000250|UniProtKB:Q9JJ94, ECO:0000269|PubMed:12640030}

Tissue Location
Widely expressed..

SSNA1 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

SSNA1 Blocking Peptide (N-term) - Images

SSNA1 Blocking Peptide (N-term) - References

Ramos-Morales F., et al. J. Biol. Chem. 273:1634-1639(1998).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Humphray S.J., et al. Nature 429:369-374(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.