

SYNPO Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14341b**Specification**

SYNPO Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8N3V7](#)**SYNPO Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 11346**Other Names**

Synaptopodin, SYNPO, KIAA1029

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.

SYNPO Antibody (C-term) Blocking Peptide - Protein Information**Name** SYNPO**Synonyms** KIAA1029**Function**

Actin-associated protein that may play a role in modulating actin-based shape and motility of dendritic spines and renal podocyte foot processes. Seems to be essential for the formation of spine apparatuses in spines of telencephalic neurons, which is involved in synaptic plasticity (By similarity).

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8CC35}. Cell junction, tight junction {ECO:0000250|UniProtKB:Q8CC35}. Perikaryon {ECO:0000250|UniProtKB:Q8CC35}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q8CC35}. Postsynaptic density {ECO:0000250|UniProtKB:Q8CC35}. Synapse {ECO:0000250|UniProtKB:Q8CC35} Cytoplasm, cytosol. Note=Localized at the tight junction of cells. In brain, localized to the postsynaptic densities and in the perikarya. Associated with dendritic spines of a subset of synapses. {ECO:0000250|UniProtKB:Q8CC35}

Tissue Location

Expressed in cerebral cortex.

SYNPO Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SYNPO Antibody (C-term) Blocking Peptide - Images

SYNPO Antibody (C-term) Blocking Peptide - Background

Synaptopodin is an actin-associated protein that may play a role in actin-based cell shape and motility. The name synaptopodin derives from the protein's associations with postsynaptic densities and dendritic spines and with renal podocytes (Mundel et al., 1997 [PubMed 9314539]). [supplied by OMIM].

SYNPO Antibody (C-term) Blocking Peptide - References

Kim, E.Y., et al. Am. J. Physiol. Renal Physiol. 299 (3), F594-F604 (2010) ; Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Dai, S., et al. Nephrol. Dial. Transplant. 25(3):824-835(2010) Duning, K., et al. J. Am. Soc. Nephrol. 19(10):1891-1903(2008) Garovic, V.D., et al. Nephrol. Dial. Transplant. 22(4):1136-1143(2007)