

GOLSYN Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13098a**Specification**

GOLSYN Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9NX95](#)**GOLSYN Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 55638**Other Names**

Syntabulin, Golgi-localized syntaphilin-related protein, Syntaxin-1-binding protein, SYBU, GOLSYN, KIAA1472

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13098a was selected from the N-term region of GOLSYN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

GOLSYN Antibody (N-term) Blocking peptide - Protein Information**Name** SYBU**Synonyms** GOLSYN, KIAA1472**Function**

Part of a kinesin motor-adaptor complex that is critical for the anterograde axonal transport of active zone components and contributes to activity-dependent presynaptic assembly during neuronal development.

Cellular Location

[Isoform 1]: Cytoplasm, cytoskeleton. Cytoplasmic vesicle. Note=Colocalizes with syntaxin vesicles along microtubules in neuronal processes [Isoform 4]: Golgi apparatus membrane; Single-pass membrane protein

Tissue Location

Isoform 3, isoform 4 and isoform 5 are expressed in HeLa cell line (at protein level). Isoform 3 is expressed in fetal and adult brain. Isoform 4 is expressed in numerous fetal tissues (brain, kidney, liver, lung, and thymus) and in adult brain, kidney, liver, lung, pancreas, colon, prostate, small intestine, testis and thymus. Isoform 5 is expressed in fetal brain, brain and small intestine.

GOLSYN Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GOLSYN Antibody (N-term) Blocking peptide - Images

GOLSYN Antibody (N-term) Blocking peptide - Background

Syntabulin/GOLSYN is part of a kinesin motor-adaptor complex that is critical for the anterograde axonal transport of active zone components and contributes to activity-dependent presynaptic assembly during neuronal development (Cai et al., 2007 [PubMed 17611281]).

GOLSYN Antibody (N-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Cai, Q., et al. J. Neurosci. 27(27):7284-7296(2007) Funakoshi, E., et al. Neurosci. Lett. 403(3):244-249(2006) Cai, Q., et al. J. Cell Biol. 170(6):959-969(2005) Funakoshi, E., et al. Gene 344, 259-271 (2005) :