

**SYUB Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP11968c****Specification**

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**SYUB Blocking Peptide (Center) - Product Information**

Primary Accession [O16143](#)  
Other Accession [NP\\_003076](#)

**SYUB Blocking Peptide (Center) - Additional Information**

**Gene ID** 6620

**Other Names**

Beta-synuclein, SNCB

**Target/Specificity**

The synthetic peptide sequence is selected from aa 85-97 of HUMAN SNCB

**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.

**SYUB Blocking Peptide (Center) - Protein Information**

**Name** SNCB

**Function**

Non-amyloid component of senile plaques found in Alzheimer disease. Could act as a regulator of SNCA aggregation process. Protects neurons from staurosporine and 6-hydroxy dopamine (6OHDA)-stimulated caspase activation in a p53/TP53-dependent manner. Contributes to restore the SNCA anti-apoptotic function abolished by 6OHDA. Not found in the Lewy bodies associated with Parkinson disease.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed predominantly in brain; concentrated in presynaptic nerve terminals

## **SYUB Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

## **SYUB Blocking Peptide (Center) - Images**

## **SYUB Blocking Peptide (Center) - Background**

The protein encoded by this gene is highly homologous to alpha-synuclein. These proteins are abundantly expressed in the brain and putatively inhibit phospholipase D2 selectively. The encoded protein, which may play a role in neuronal plasticity, is abundant in neurofibrillary lesions of patients with Alzheimer disease. This protein has been shown to be highly expressed in the substantia nigra of the brain, a region of neuronal degeneration in patients with Parkinson disease; however, no direct relation to Parkinson disease has been established. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

## **SYUB Blocking Peptide (Center) - References**

Nishioka, K., et al. Arch. Neurol. 67(8):970-975(2010)  
Ye, Q., et al. Oncol. Rep. 23(2):429-436(2010)  
Rivers, R.C., et al. Protein Sci. 17(5):887-898(2008)  
Salem, S.A., et al. Brain Res. 1170, 103-111 (2007) :  
Lee, J., et al. Protein Pept. Lett. 14(10):1021-1026(2007)