

NOSIP Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17578a**Specification**

NOSIP Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y314](#)**NOSIP Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 51070**Other Names**

Nitric oxide synthase-interacting protein, eNOS-interacting protein, NOSIP

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.

NOSIP Antibody (N-term) Blocking Peptide - Protein Information**Name** NOSIP**Function**

E3 ubiquitin-protein ligase that is essential for proper development of the forebrain, the eye, and the face. Catalyzes monoubiquitination of serine/threonine-protein phosphatase 2A (PP2A) catalytic subunit PPP2CA/PPP2CB (By similarity). Negatively regulates nitric oxide production by inducing NOS1 and NOS3 translocation to actin cytoskeleton and inhibiting their enzymatic activity (PubMed:11149895, PubMed:15548660, PubMed:16135813).

Cellular Location

Cytoplasm. Nucleus. Note=Translocates from nucleus to cytoplasm in the G2 phase of the cell cycle (PubMed:16135813)

Tissue Location

Expressed in heart, brain and lung. Present in endothelial cells (at protein level).

NOSIP Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NOSIP Antibody (N-term) Blocking Peptide - Images

NOSIP Antibody (N-term) Blocking Peptide - Background

NOSIP negatively regulates nitric oxide production by inducing NOS1 and NOS3 translocation to actin cytoskeleton and inhibiting their enzymatic activity.

NOSIP Antibody (N-term) Blocking Peptide - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Schleicher, M., et al. Mol. Cell. Biol. 25(18):8251-8258(2005)Andersen, J.S., et al. Nature 433(7021):77-83(2005)Dreyer, J., et al. J. Neurosci. 24(46):10454-10465(2004)