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

NOSIP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17578a

Specification

NOSIP Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y314
Other Accession	Q4R7H4, NP_057037.1
Reactivity	**Human**
Predicted	**Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33172**
Antigen Region	**67-95**

NOSIP Antibody (N-term) - Additional Information

Gene ID 51070

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

Target/Specificity
This NOSIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-95 amino acids from the N-terminal region of human NOSIP.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NOSIP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NOSIP Antibody (N-term) - 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)

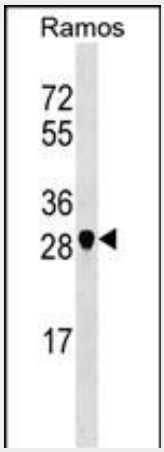
Tissue Location
Expressed in heart, brain and lung. Present in endothelial cells (at protein level).

NOSIP Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NOSIP Antibody (N-term) - Images



NOSIP Antibody (N-term) (Cat. #AP17578a) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the NOSIP antibody detected the NOSIP protein (arrow).

NOSIP Antibody (N-term) - 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) - 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)