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NOSIP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17578a

Product Information

Application	WB, E
Primary Accession	Q9Y314
Other Accession	Q4R7H4, NP_057037.1
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37355
Calculated MW	33172
Antigen Region	67-95

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 E~~Use at an assay dependent concentration.
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.

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).

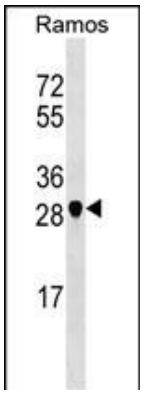
Background

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

References

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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)
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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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.