

NOSIP Rabbit pAb

Catalog # AP98347

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9Y314
Other Accession	Q9Y314
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33172
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NOSIP
Epitope Specificity	151-250/301
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the NOSIP family.
SUBUNIT	Interacts with NOS1 and NOS3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene may modulate the activity and localization of nitric oxide synthase (endothelial and neuronal) and thus nitric oxide production. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2012]

Additional Information

Gene ID	51070
Other Names	CGI-25; 2310061K06Rik; NOSIP_BOVIN; NOSIP; E3 ubiquitin-protein ligase NOSIP; RING-type E3 ubiquitin transferase NOSIP; NOSIP_HUMAN; eNOS-interacting protein; NOSIP_MOUSE; nitric oxide synthase interacting protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NOSIP
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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).

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