

## **Rabbit Anti-CAPON antibody**

SL11987R

Product Name:	CAPON		
Chinese Name:	神经型一氧化氮合成酶Binding protein抗体		
	NOS1AP; C terminal PDZ domain ligand of neuronal nitric oxide synthase (CAPON);		
Alias:	C terminal PDZ domain ligand of neuronal nitric oxide synthase (CAPON),		
	ligand of neuronal nitric oxide synthase protein; C-terminal PDZ ligand of neuronal		
	nitric oxide synthase protein; CAPON; CAPON HUMAN; Carboxyl terminal PDZ		
	ligand of neuronal nitric oxide synthase protein; Carboxyl-terminal PDZ ligand of		
	neuronal nitric oxide synthase protein; Ligand of neuronal nitric oxide synthase with		
	carboxyl terminal PDZ domain; MGC138500; Nitric oxide synthase 1 (neuronal)		
	adaptor protein; Nitric oxide synthase 1 adaptor protein.		
Organism Species:	Rabbit		
Clonality:	Polyclonal		
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,		
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-		
	500IF=1:100-500 (Paraffin sections need antigen repair)		
	not yet tested in other applications.		
	optimal dilutions/concentrations should be determined by the end user.		
Molecular weight:	56kDa		
Cellular localization:	The nucleuscytoplasmicThe cell membrane		
Form:	Lyophilized or Liquid		
<b>Concentration:</b>	1mg/ml		
immunogen:	KLH conjugated synthetic peptide derived from human CAPON:128-170/506		
Lsotype:	IgG		
Purification:	affinity purified by Protein A		
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.		
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized		
	antibody is stable at room temperature for at least one month and for greater than a year		
	when kept at -20°C. 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.		
PubMed:	PubMed		

Product Detail:endothelial NOS or inducible NOS, and sequesters nNOS in the of the neurotransmitter nitric oxide (NO) requires the associati synaptic proteins, including syntrophin, postsynaptic density (I through a scaffolding PDZ domain. These proteins facilitate th the plasma membrane, where it is catalytically activated by NM calcium channels. The association of nNOS with PSD95 or PS CAPON. The carboxy terminus of CAPON binds to the PDZ d PSD95 and PSD93 for binding to nNOS and in turn prevents the catalytic activation of nNOS.Function: Adapter protein involved in neuronal nitric-oxide (NO) synthese association with nNOS/NOS1. The complex formed with NOS necessary for specific NO and synapsin functions at a presynap indirect interaction between NOS1 and RASD1 leading to endation to activate RASD1. Competes with DLG4 for interaction with NOS1 activity by regulating the interaction between NOS1 and Subunit: Interacts with the PDZ domain of NOS1 or the second PDZ do its C-terminus. Interacts with RASD1 and SYN1, SYN2 and S Forms a ternary complex with NOS1 and RASD1. Forms a tern and SYN1Similarity: Contains 1 PID domain.SWISS: 075052Gene ID: 9722	PSD)95 and PSD93 e transport of nNOS to ADA-receptor mediated D93 is regulated by lomain, competes with he translocation and sis regulation via its and synapsins is otic level. Mediates an ance the ability of NOS1 NOS1, possibly affecting d DLG4.
Database links:	
Entrez Gene: 9722Human	
Entrez Gene: 192363Rat	
Omim: 605551Human	
SwissProt: 075052Human	
SwissProt: Q9D3A8Mouse	

SwissProt: O54960Rat
Important Note:
This product as supplied is intended for research use only, not for use in human,
therapeutic or diagnostic applications.

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