

CAPON Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54699**Specification**

CAPON Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	075052
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56150

CAPON Polyclonal Antibody - Additional Information**Gene ID** 9722**Other Names**

Carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein, C-terminal PDZ ligand of neuronal nitric oxide synthase protein, Nitric oxide synthase 1 adaptor protein, NOS1AP, CAPON, KIAA0464

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

CAPON Polyclonal Antibody - Protein Information**Name** NOS1AP ([HGNC:16859](#))**Synonyms** CAPON, KIAA0464**Function**

Adapter protein involved in neuronal nitric-oxide (NO) synthesis regulation via its association with nNOS/NOS1. The complex formed with NOS1 and synapsins is necessary for specific NO and synapsin functions at a presynaptic level. Mediates an indirect interaction between NOS1 and RASD1 leading to enhance the ability of NOS1 to activate RASD1. Competes with DLG4 for interaction with NOS1, possibly affecting NOS1 activity by regulating the interaction between NOS1 and DLG4 (By similarity). In kidney podocytes, plays a role in podosomes and filopodia formation through CDC42 activation (PubMed:33523862).

Cellular Location

Cell projection, filopodium {ECO:0000250|UniProtKB:O54960}. Cell projection, podosome {ECO:0000250|UniProtKB:O54960}

Tissue Location

Expressed in kidney glomeruli podocytes.

CAPON Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CAPON Polyclonal Antibody - Images