Product Name: CAPON Rabbit Monoclonal Antibody
Catalog #: AMRe03909

Summary

Production Name	CAPON Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,FC
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
Purification	Affinity Purification

Immunogen

Gene Name	NOS1AP
Alternative Names	CAPON, KIAA0464,NOS1AP,Carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein,C-terminal PDZ ligand of neuronal nitric oxide synthase protein,
Gene ID	9722.0
SwissProt ID	O75052.

Application

Dilution Ratio	WB: 1:500-1:1000 IF: 1:50-1:200 FC: 1:50-1:100
Molecular Weight	Calculated MW:56 kDa;Observed MW: 56 kDa

Background

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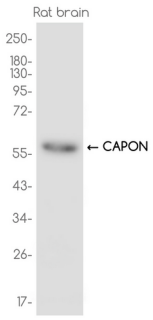
Adapter protein involved in neuronal nitric-oxide (NO) synthesis regulation via its association with nNOS/NOS1. The complex formed with NOS1 and synapsins is necessary for specific NO and synapsin functions at a presynaptic level. Mediates an indirect interaction between NOS1 and RASD1 leading to enhance 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).

Research Area

Neuroscience

Image Data



Western blot analysis of CAPON in Rat brain lysates using CAPON antibody.

Note

For research use only.