产品名称：CAPON Rabbit Monoclonal Antibody
产品货号：AMRe03909

产品概述（Summary）

产品名称（Production Name）	CAPON Rabbit Monoclonal Antibody
描述（Description）	Recombinant rabbit monoclonal antibody
宿主（Host）	Rabbit
应用（Application）	WB,ICC/IF,FC
种属反应性（Reactivity）	Human, Mouse, Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
纯化方式（Purification）	Affinity Purification

免疫原信息（Immunogen）

基因名（Gene Name）	NOS1AP
别名（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,
基因 ID（Gene ID）	9722.0
蛋白 ID（SwissProt ID）	O75052.

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:1000,ICC/IF 1:50-1:200,FC 1:50-1:100
蛋白分子量（Molecular Weight）	Calculated MW:56 kDa;Observed MW: 56 kDa

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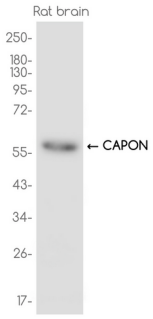
研究背景（Background）

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).

研究领域（Research Area）

Neuroscience

图片（Image Data）



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

注意事项（Note）

For research use only .