

ARG63249 anti-CAPON / NOS1AP antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CAPON / NOS1AP
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow
Tested Application	IHC-P
Specificity	This antibody is expected to recognise both reported isoforms.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CAPON / NOS1AP
Species	Human
Immunogen	PSKTKYNLVDDGH-C
Conjugation	Un-conjugated
Alternate Names	Carboxyl-terminal PDZ ligand of neuronal nitric oxide synthase protein; Nitric oxide synthase 1 adaptor protein; 6330408P19Rik; CAPON; C-terminal PDZ ligand of neuronal nitric oxide synthase protein

Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 6 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Tris/EDTA buffer (pH 9.5). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 9722 Human](#)

[Swiss-port # O75052 Human](#)

Background

This gene encodes a cytosolic protein that binds to the signaling molecule, neuronal nitric oxide synthase (nNOS). This protein has a C-terminal PDZ-binding domain that mediates interactions with nNOS and an N-terminal phosphotyrosine binding (PTB) domain that binds to the small monomeric G protein, Dexas1. Studies of the related mouse and rat proteins have shown that this protein functions as an adapter protein linking nNOS to specific targets, such as Dexas1 and the synapsins. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2009]

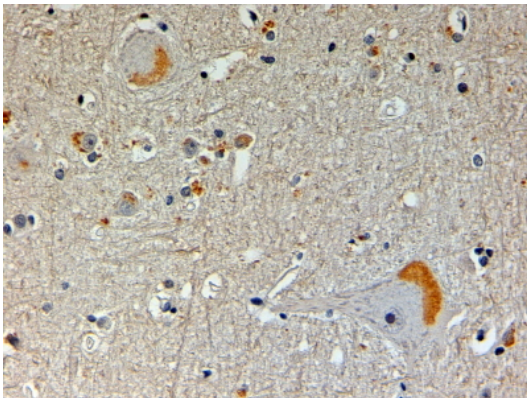
Research Area

Neuroscience antibody

Calculated Mw

56 kDa

Images



ARG63249 anti-CAPON / NOS1AP antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Brain. (Steamed antigen retrieval with Tris/EDTA buffer pH 9.5) stained with ARG63249 anti-CAPON / NOS1AP antibody at 4 µg/ml dilution followed by HRP-staining.