



Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, United Kingdom

everestbiotech.com

sales@everestbiotech.com

support@everestbiotech.com

Tel +44 1869 238326

Fax +44 1869 238327

Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB05583 - Goat Anti-CAPON / NOS1AP Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MGC138500, CAPON, KIAA0464, ligand of neuronal nitric oxide synthase with carboxyl-terminal PDZ domain, C-terminal PDZ domain ligand of neuronal nitric oxide synthase (CAPON), C-terminal PDZ domain ligand of neuronal nitric oxide synthase, 6330408P19Rik, nitric oxide synthase 1 (neuronal) adaptor protein, CAPON, MGC138500, NOS1AP

Official Symbol: NOS1AP

Accession Number(s): NP_055512.1; NP_001158229.1

Human GeneID(s): [9722](#)

Non-Human GeneID(s): 70729 (mouse), 192363 (rat)

Important Comments: This antibody is expected to recognise both reported isoforms.

Immunogen

Peptide with sequence PSKTKYNLVDDGH-C, from the N Terminus of the protein sequence according to NP_055512.1; NP_001158229.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: No signal obtained yet but low background observed in human brain and human testis lysates at upto 4µg/ml.

IHC: In paraffin embedded human liver shows nuclear staining in select hepatocytes. Recommended concentration, 5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Cow

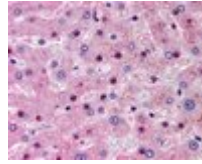
Background Reference

Jaffrey SR, Snowman AM, Eliasson MJ, Cohen NA, Snyder SH.

CAPON: a protein associated with neuronal nitric oxide synthase that regulates its interactions with PSD95.

Neuron. 1998 Jan;20(1):115-24.

PMID: 9459447



EB05583 (5µg/ml) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.