

## UK Office

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diagnostic or therapeutic use.**

## EB07119 - Goat Anti-CAPON / NOS1AP (internal) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**Official Symbol:** NOS1AP

**Accession Number(s):** NP\_055512.1

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

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

### Immunogen

Peptide with sequence CNVFKSKKKSQ, from the internal region of the protein sequence according to NP\_055512.1.

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:** Western Blot: Preliminary experiments gave bands at approx 50kDa and 35kDa in Human Brain (Frontal Cortex) lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 56.1kDa according to NP\_055512.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Rat, Dog