Email: customerservice@vectorlabs.com

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## **GOAT ANTI-CAPON / NOS1AP (INTERNAL) ANTIBODY**

**SKU:** EB07119

## **SPECIFICATIONS**

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

**Unit Size** 

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

Synonym / ligand of neuronal nitric oxide synthase with carboxyl-terminal PDZ domain|C-terminal PDZ domain ligand of

Alias neuronal nitric oxide synthase (CAPON)|C-terminal PDZ domain ligand of neuronal nitric oxide **Names** synthase|6330408P19Rik|CAPON|nitric oxide synthase 1 (neuronal) adaptor protein|NOS1AP

Accession

NP 055512.1 ID

**Blocking** 

EBP07119 **Peptide** 

Immunogen Peptide with sequence CNVFKSKKKSQ, from the internal region of the protein sequence according to NP 055512.1.

**Peptide CNVFKSKKKSQ** 

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using

Method the immunizing peptide.

**Shipping** Instructions

Refrigerated

**Predicted** 

Sequence

Human, Mouse, Rat, Dog **Species** 

Human

9722 Gene ID

Mouse

70729

**Gene ID** 

**Rat Gene ID** 192363

**Product** Grade

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/aspiring\_medium.png

**ELISA** 

**Detection** Antibody detection limit dilution 1:8000.

Limit





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Western Blot Western Blot: Preliminary experiments gave bands at approx 50kDa and 35kDa in Human Brain (Frontal Cortex) lysates after  $1\mu g/ml$  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?

Application Type

Pep-ELISA