



## EB11023 - Goat Anti-NMNAT3 (aa149-162) Antibody

Size: 100µg specific antibody in 200µl



### UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

### Target Protein

**Principal Names:** NMNAT3, nicotinamide nucleotide adenylyltransferase 3, PNAT3, NMN adenylyltransferase 3, NaMN adenylyltransferase 3, nicotinamide mononucleotide adenylyltransferase 3, nicotinate-nucleotide adenylyltransferase 3, pyridine nucleotide adenylyltransferase 3, NaMN adenylyltransferase 3, nicotinamide mononucleotide adenylyltransferase 3, nicotinamide nucleotide adenylyltransferase 3, nicotinate-nucleotide adenylyltransferase 3, NMN adenylyltransferase 3, PNAT3, pyridine nucleotide adenylyltransferase 3, NMNAT3

**Official Symbol:** NMNAT3

**Accession Number(s):** NP\_835471.1; NP\_001186976.1; NP\_001307439.1;  
NP\_001307440.1; NP\_001307442.1

**Human GeneID(s):** [349565](#)

**Important Comments:** This antibody is expected to recognize all reported isoforms

### Immunogen

Peptide with sequence C-QHNIHLAKEPVQNE, from the internal region of the protein sequence according to NP\_835471.1; NP\_001186976.1; NP\_001307439.1; NP\_001307440.1; NP\_001307442.1.

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 1:32000.

**Western blot:** Preliminary testing showed a band at approx. 26kDa in Caco-2, A431 and A549 cell lysate at a concentration of 2µg/ml (calculated Mwt. of 24.1kDa according to NP\_835471.1). Primary incubation 1 hour at room temperature.

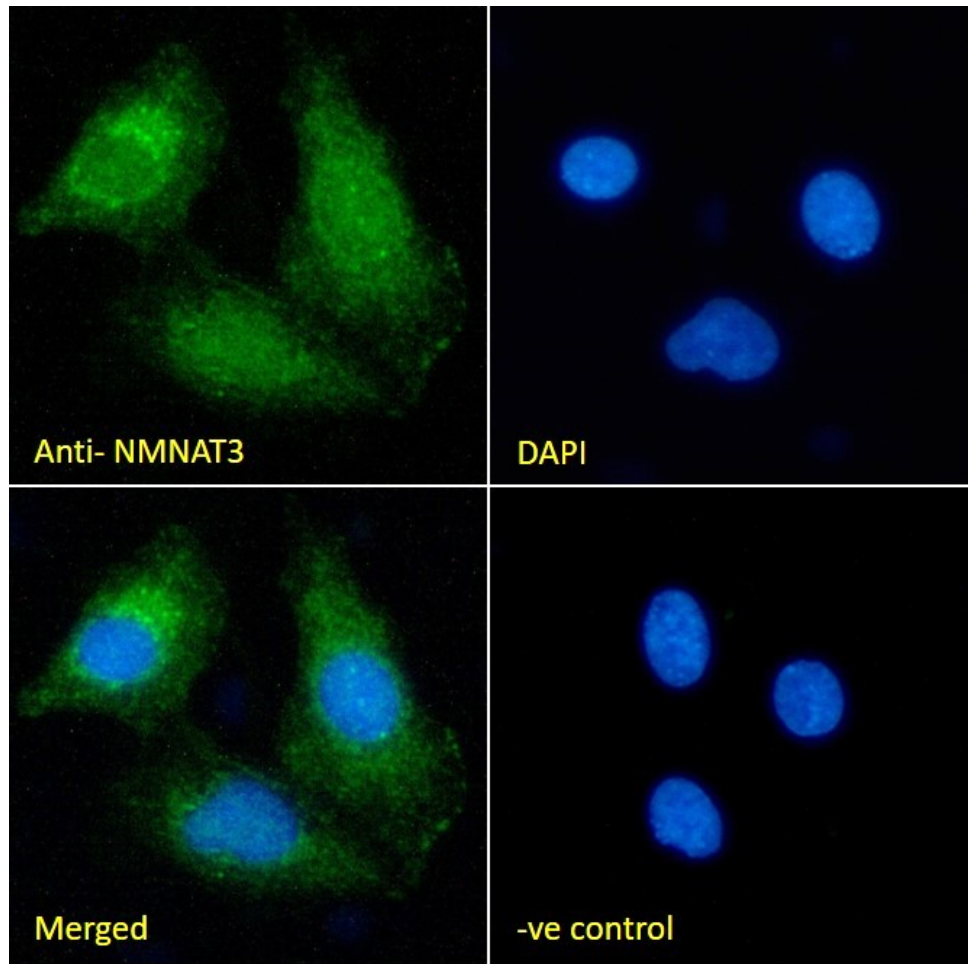
**Immunofluorescence:** Strong expression of the protein seen in HEK293 cells.  
Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HEK293 cells. Recommended concentration: 10µg/ml.

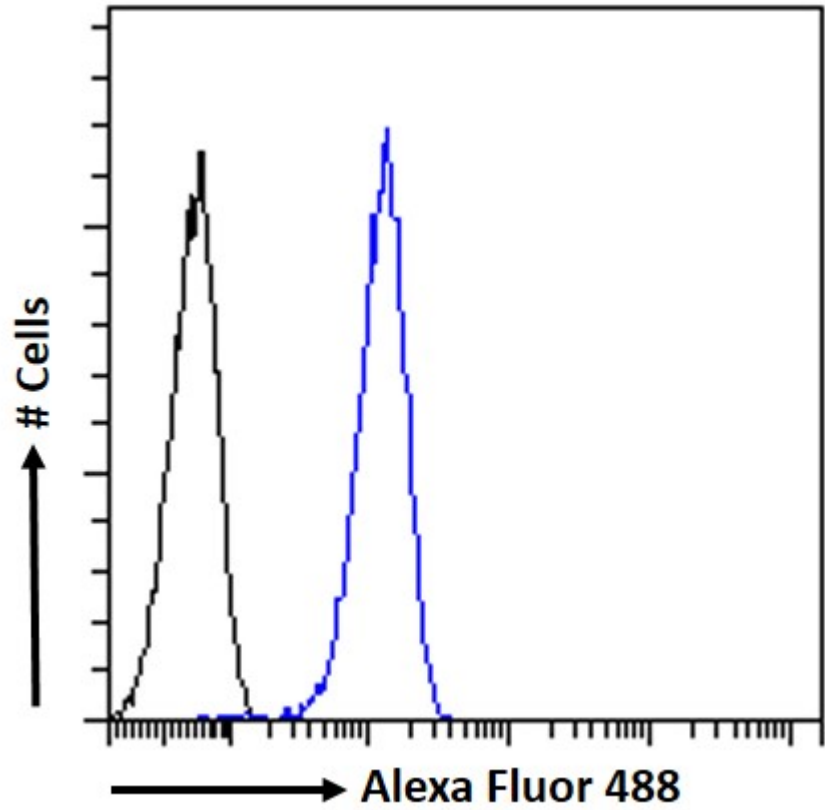
### Species Reactivity

**Tested:** Human

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



EB11023 Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11023 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.