

## UK Office

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

## EB11782 - Goat Anti-Nat8l (mouse aa211-223) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 1110038O08Rik, NAA synthetase, N-acetylaspartate synthetase, N-acetyltransferase 8-like, N-acetyltransferase 8-like protein, Nat8l, protein Shati, Shati

**Official Symbol:** Nat8l

**Accession Number(s):** NP\_001001985.3

**Human GeneID(s):** [339983](#)

**Non-Human GeneID(s):** 269642 (mouse), 289727 (rat)

### Immunogen

Peptide with sequence C-SVDSRFRGKGIK, from the internal region of the protein sequence according to NP\_001001985.3.

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 1:128000.

**Western blot:** Approx 48-50kDa band observed in fetal and adult Mouse, and in Human (Cerebellum) Brain lysates (calculated MW of 32.7kDa according to Mouse NP\_001001985.3 and 32.8kDa according to Human NP\_848652.2). The observed band was completely blocked with the immunizing peptide and corresponds to earlier findings in literature with different antibodies (Becker et al, J Biol Chem. 2010 Sep 17;285(38):29156-64. PMID: 20643647). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

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

**Flow Cytometry:** Flow cytometric analysis of Kelly cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

EB11782 (0.1µg/ml) staining of Brain of fetal Mouse (A) + peptide (B), Mouse (C) + peptide (D), Human (E) + peptide (F) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB11782 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB11782 Flow cytometric analysis of paraformaldehyde fixed Kelly 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.