



## International Office

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

## EB11468 - Goat Anti-Slc8a3 (mouse isoform1) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Slc8a3, solute carrier family 8 (sodium/calcium exchanger), member 3, AW742262, MGC90626, Ncx3

**Official Symbol:** Slc8a3

**Accession Number(s):** NP\_001161392.1

**Non-Human GeneID(s):** 110893 (mouse)

**Important Comments:** This antibody is expected to recognize reported mouse isoform1 (NP\_001161392.1) only. This antibody is expected to recognize different human isoforms.

### Immunogen

Peptide with sequence C-ERQENFFIALGEPK, from the internal region of the protein sequence according to NP\_001161392.1.

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 1:128000.

**Western blot:** Preliminary experiments gave an approx 85kDa band in Mouse Brain lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 102kDa according to NP\_001161392.1. The 85kDa band was successfully blocked by incubation with the immunizing peptide. 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, Pig, Cow