



## UK Office

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

## EB11283 - Goat Anti-SLC1A7 (38-51) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AAAT, EAAT5, excitatory amino acid transporter 5, excitatory amino acid transporter 5 (retinal glutamate transporter), FLJ36602, retinal glutamate transporter, solute carrier family 1 (glutamate transporter), member 7, solute carrier family 1 member 7, SLC1A7

**Official Symbol:** SLC1A7

**Accession Number(s):** NP\_006662.3

**Human GeneID(s):** [6512](#)

**Non-Human GeneID(s):** 242607 (mouse)

### Immunogen

Peptide with sequence C-RTRRLSPQEISYFQ, from the internal region (near N Terminus) of the protein sequence according to NP\_006662.3.

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 1:32000.

**Western blot:** Preliminary experiments gave an approx 100kDa band in Human Heart 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 60.7kDa according to NP\_006662.3. The 100kDa 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, Dog, Pig, Cow