

## UK Office

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

## EB06743 - Goat Anti-SLC6A4 / 5HTT / SERT Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SLC6A4, SERT, solute carrier family 6 (neurotransmitter transporter, serotonin), member 4, HGNC:11050, 5-HTT, HTT, OCD1, hSERT, 5-hydroxytryptamine transporter, 5HT transporter, Na<sup>+</sup>/Cl<sup>-</sup> dependent serotonin transporter, serotonin transporter, sodium-dependent serotonin transporter, solute carrier family 6 member 4, 5-HTTLPR, OTTHUMP00000163633

**Official Symbol:** SLC6A4

**Accession Number(s):** NP\_001036.1

**Human GeneID(s):** [6532](#)

### Immunogen

Peptide with sequence C-LHQGERETWGK, from the internal region of the protein sequence according to NP\_001036.1.

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:** Approx 70kDa band observed in Human Colon and Duodenum lysates (calculated MW of 70.3kDa according to NP\_001036.1). Recommended concentration: 1-3µg/ml.

**Immunocytochemistry:** A customer used this antibody successfully in ICC on PC12 when used at 5ug/ml o/n at 4C.

### Species Reactivity

**Tested:** Human, Rat

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



EB06743 (2 $\mu$ g/ml) staining of Human Colon lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.