



## UK Office

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

## EB11311 - Goat Anti-SLC6A3 / DAT Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DA transporter, DAT, DAT1, sodium-dependent dopamine transporter, solute carrier family 6 (neurotransmitter transporter, dopamine), member 3, solute carrier family 6 member 3, SLC6A3

**Official Symbol:** SLC6A3

**Accession Number(s):** NP\_001035.1

**Human GeneID(s):** [6531](#)

### Immunogen

Peptide with sequence C-QLTSSTLTNPRQSP, from the internal region (near N Terminus) of the protein sequence according to NP\_001035.1.

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

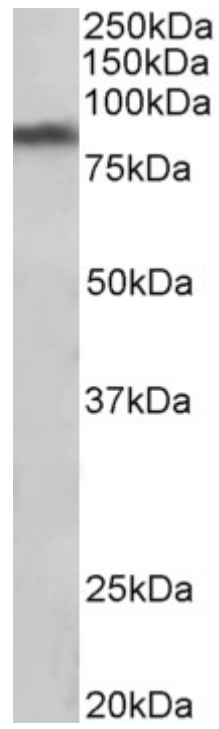
**Peptide ELISA:** antibody detection limit dilution 1:4000.

**Western blot:** Approx 85kDa band observed in Human Brain (Substantia nigra) lysates (calculated MW of 68.5kDa according to NP\_001035.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Mazei-Robison et al, J Neurosci. 2008 Jul 9;28(28):7040-6. PMID: 18614672).. Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB11311 (1 $\mu$ g/ml) staining of Human Substantia nigra lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.