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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

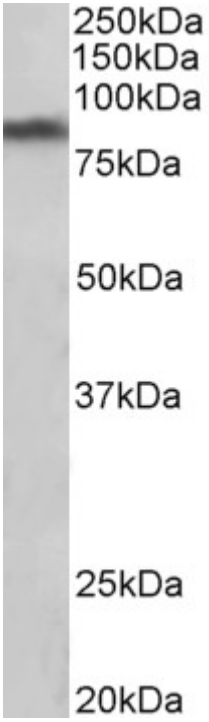
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

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 (1µg/ml) staining of Human Substantia nigra lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.