

Goat anti-SLC1A7 / EAAT5 Antibody

Item Number	dAP-2582
Target Molecule	Principle Name: SLC1A7 / EAAT5; Official Symbol: SLC1A7; All Names and Symbols: SLC1A7; solute carrier family 1 (glutamate transporter), member 7; AAAT; EAAT5; FLJ36602; excitatory amino acid transporter 5; excitatory amino acid transporter 5 (retinal glutamate transporter); retinal glutamate transporter; solute carrier family 1 memb; Accession Number (s): NP_006662.3; Human Gene ID(s): 6512; Non-Human GenelD(s): 242607 (mouse)
Immunogen	SLNHCTIQISELTN, is from C Terminus
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Preliminary experiments gave an approx 75kDa band in Human Heart, Liver and Skeletal Muscle lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given
IHC	
Reference	Reference(s): Boehmer C, Rajamanickam J, Schniepp R, Kohler K, Wulff P, Kuhl D, Palmada M, Lang F. Regulation of the excitatory amino acid transporter EAAT5 by the serum and glucocorticoid dependent kinases SGK1 and SGK3. Biochem Biophys Res Commun. 2005 Apr 8;329

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**