

Goat anti-EAAT1 / GLAST1 (aa197-208) Antibody

Item Number	dAP-2800
Target Molecule	Principle Name: EAAT1 / GLAST1 (aa197-208); Official Symbol: SLC1A3; All Names and Symbols: SLC1A3; solute carrier family 1 (glial high affinity glutamate transporter), member 3; EA6; EAAT1; FLJ25094; GLAST; GLAST1; GLAST-1; OTTHUMP00000116002; excitatory amino acid transporter 1; sodium-dependent glutamate/aspartate transporter 1; solute carrier; Accession Number (s): NP_004163.3; NP_001160167.1; Human Gene ID(s): 6507; Non-Human GeneID(s): 29483 (rat)
Immunogen	RSFKVPIQANET, is from internal region This antibody is expected to recognize isoform 1 (NP_004163.3) and isoform 2 (NP_001160167.1).
Applications	Pep ELISA, WB Species Tested: Human
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 128000.
Western Blot	Western Blot: Approx 60kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 59.6kDa according to NP_004163.3). Recommended concentration: 0.1-0.3µg/ml. An additional band of unknown identity was also consistently observed at 22kDa.
IHC	
Reference	Reference(s): Vandenberg RJ, Handford CA, Campbell EM, Ryan RM, Yool AJ. Water and urea permeation pathways of the human excitatory amino acid transporter EAAT1. Biochem J. 2011 Oct 15;439(2):333-40..PMID: 21732909->

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**