ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

# Goat anti-SLC1A7 (38-51) Antibody

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| **Item Number** | dAP-2583 |
| **Target Molecule** | Principle Name: SLC1A7 (38-51); 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 Gene-ID(s): 242607 (mouse) |
| **Immunogen** | RTRRLSPQEISYFQ, is from internal region (near N Terminus) |
| **Applications** | Pep ELISA<br><br>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; Reconsititute 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.<br>Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Peptide ELISA** | Peptide ELISA: antibody detection limit dilution 1 to 32000. |
| **Western Blot** | Western Blot: Preliminary experiments gave an approx 100kDa band in Human Heart lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 60.7kD |
| **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<br>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