

## Goat anti-sialin / SLC17A5 (aa85-99) Antibody

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| <b>Item Number</b>     | dAP-2824   |
| <b>Target Molecule</b> | Principle Name: sialin / SLC17A5 (aa85-99); Official Symbol: SLC17A5; All Names and Symbols: SLC17A5; solute carrier family 17 (anion/sugar transporter), member 5; AST; ISSD; NSD; SD; SIALIN; SIASD; SLD; membrane glycoprotein HP59; sialic acid storage disease; sialin; sodium/sialic acid cotransporter; solute carrier family 17 member 5; solute car; Accession Number (s): NP_036566.1; Human Gene ID(s): 26503; Non-Human GeneID(s): |
| <b>Immunogen</b>       | EHSAPIKVHHNQTGK, is from internal region   |
| <b>Applications</b>    | Pep ELISA, WB<br>Species Tested: Human   |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| <b>Supplied As</b>     | 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.<br>Aliquot and store at -20°C. Minimize freezing and thawing.   |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 128000.  |
| <b>Western Blot</b>    | Western Blot: Approx 55-60kDa band observed in Human Placenta lysates (calculated MW of 54.6kDa according to NP_036566.1). The observed 30kDa is in agreement of isoform 2 reported by UniprotKB (Q9NRA2). Recommended concentration: 1-3µg/ml.  |
| <b>IHC</b>             |  |
| <b>Reference</b>       | Reference(s): Miyaji T, Omote H, Moriyama Y. Functional characterization of vesicular excitatory amino acid transport by human sialin. J Neurochem. 2011 Oct;119(1):1-5..PMID: 21781115->  |

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**