

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

Item Number	dAP-2824
Target Molecule	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):
Immunogen	EHSAPIKVHHNQTGK, is from internal region
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 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.
IHC	
Reference	Reference(s): Miyaji T, Omote H, Moriyama Y. Functional characterization of vesicular excitatory amino acid transport by human sialin. <i>J Neurochem</i> . 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 end users! This product is sold for **Research Use Only**