

Goat anti-VMAT2 / SLC18A2 Antibody

Item Number	dAP-0559
Target Molecule	Principle Name: VMAT2 / SLC18A2; Official Symbol: SLC18A2; All Names and Symbols: SLC18A2; VMAT2; SVAT; SVMT; VAT2; solute carrier family 18 (vesicular monoamine), member 2; MGC120477; MGC120478; MGC26538; Accession Number (s): NP_003045.2; Human Gene ID(s): 6571; Non-Human GenelD(s): 214084 (mouse) 25549 (rat)
Immunogen	SYPIGEDEESESD, is from C Terminus
Applications	Pep ELISA, WB, IHC 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 55kDa band observed in Human Placenta and Adrenal Gland lysates (calculated MW of 55.7kDa according to NP_003045.2). Recommended concentration 1-3ug/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Rat Brain
IHC	Immunohistochemistry: Paraffin embedded Human Pancreas. Recommended concentration: 5µg/ml. In paraffin embedded Human Adrenal Gland expression of SLC18A2 is detected in chromaffin cells. Recommended concentration: 2.5µg/ml
Reference	Reference(s): Erickson JD, Eiden LE, Hoffman BJ. Expression cloning of a reserpine-sensitive vesicular monoamine transporter. Proc Natl Acad Sci U S A. 1992 Nov 15;89(22):10993-7. PMID: 1438304 ->

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**