Datasheet for ABIN6658243
anti-SLC18A2 antibody (C-Term)

| 1 | Image |

Overview

Quantity:	100 μL
Target:	SLC18A2
Binding Specificity:	C-Term
Reactivity:	Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This SLC18A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Immunogen: Anti-Vesicular Monoamine Transporter 2 Antibody was produced in sheep by repeated immunizations with synthetic peptide corresponding to amino acid residues from the intracellular C-terminal region conjugated to KLH. Immunogen Type: Peptide
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity expected with human, reactivity with Vesicular Monoamine Transporter 2 from other species has not been determined.
Purification:	Anti-Vesicular Monoamine Transporter 2 antibody was affinity purified from monospecific antiserum by immunoaffinity purification. Anti-Vesicular Monoamine Transporter 2 Antibody is directed against rat Vesicular Monoamine Transporter 2.

Target Details

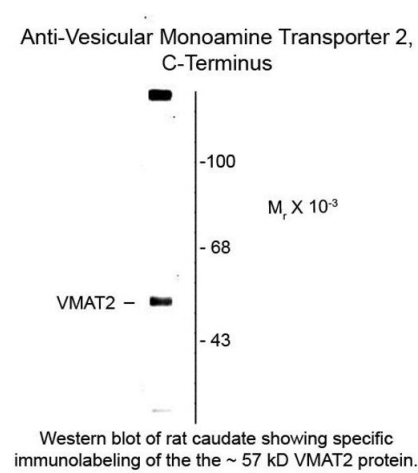|	
Target:	SLC18A2
Alternative Name:	Vesicular Monoamine Transporter 2 (VMAT2) (SLC18A2 Products)
Background:	Synonyms: Synaptic vesicular amine transporter, Monoamine transporter, Solute carrier family 18 member 2, Vesicular amine transporter 2
	Background: Vesicular Monoamine Transporter 2 antibody recognizes Vesicular neurotransmitter transporter which sequesters the transmitters into synaptic vesicles. The vesicular monoamine transporter 2 (VMAT2) is responsible for catecholamine and serotonin storage in central synapses. Antibodies specific for VMAT have been used to monitor expression of the transporter during development and in aging and can be effectively used as a marker for monoamine terminals.Therefore, VMAT2 antibody is ideal for investigators involved in Neuronal plasticity and, more generally in Neuroscience.
	Gene Name: VMAT2
Gene ID:	6571
NCBI Accession:	NP_003045
UniProt:	Q05940

Application Details

Application Notes:	Application Note: Anti-VMAT2 antibody is suitable for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 57 kDa in size corresponding to VMAT2 protein in Western Blot of rat caudate lysate.
	ELISA Dilution: 1:10,000
	Western Blot Dilution: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
	Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and

Handling

thawing. Dilute only prior to immediate use.

Images

Anti-Vesicular Monoamine Transporter 2, C-Terminus

VMAT2 —

$M_r \times 10^{-3}$

-100

- 68

- 43

Western blot of rat caudate showing specific immunolabeling of the the ~ 57 kD VMAT2 protein.

Western Blotting

Image 1. Western blot of Vesicular Monoamine Transporter 2 C-terminus VMAT2 Antibody Western Blot of Sheep anti-Vesicular Monoamine Transporter 2 C-terminus antibody. Lane 1: rat caudate lysate. Lane 2: none. Load: 10 μg per lane. Primary antibody: Vesicular Monoamine Transporter 2 C-terminus antibody at 1:1,000 for overnight at 4°C. Secondary antibody: sheep secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 57 kDa for Vesicular Monoamine Transporter 2 C-terminus. Other band(s): Vesicular Monoamine Transporter 2 C-terminus splice variants and isoforms.