Datasheet for ABIN7540618

anti-SLC18A3 antibody (Internal Region)

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Overview

Quantity:	25 µL
Target:	SLC18A3
Binding Specificity:	Internal Region
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC18A3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), ELISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	VAChT Antibody
Immunogen:	Anti-VAChT antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal portion of rat vesicular acetylcholine transporter conjugated to Keyhole Limpet Hemocyanin (KLH).
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against rat VAChT.
Purification:	The antibody was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	SLC18A3
Alternative Name:	Slc18a3 (SLC18A3 Products)
Background:	Rabbit Anti-Vesicular acetylcholine transporter Antibody, VAChT, rVAT, solute carrier family 18 member 3, Slc18a3, Vacht, Vat,Slc18a3 (Solute Carrier Family 18 Member A3) is a Protein Coding gene. Vesicular acetylcholine transporters (VAChTs) are members of the solute carrier family 18 (SLC18) of ATP-dependent transporters that also includes vesicular monoamine transporters (VMAT) 1 and VMAT2. VAChT is found in the central and peripheral nervous systems. Transports acetylcholine into secretory vesicles for release into the extracellular space. Anti-VAChT Antibody is useful for researchers interested in Myasthenic syndromes, neurotransmitter release cycles, synaptic vesicle cycle, and neuroscience research.
Gene ID:	60422
NCBI Accession:	NP_113851
UniProt:	Q62666

Application Details

Application Notes:	ELISA_Dilution: 5 µg/mL Immunohistochemistry_Dilution: 1:100 IF_Microscopy_Dilution: 15 µg/mL Western_Blot_Dilution: 1:1000
Comment:	Anti-Vesicular Acetylcholine Transporter Antibody has been tested in ELISA, WB, IHC, and IF. Expect a band at ~56.5kDa in western blot using appropriate lysates. Positive control used: PND2-6 in WB, PND1 cells in IF, rat spinal cord in IHC.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months