

Datasheet for ABIN7043686  
**anti-SLC18A3 antibody (C-Term, Cytosolic)**



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2 Images

Overview

Quantity:	50 µL
Target:	SLC18A3
Binding Specificity:	AA 495-509, C-Term, Cytosolic
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DAVRLREVQGKDGGE, corresponding to amino acid residues 495-509 of rat VAcHT
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for human samples.
Characteristics:	Anti-Vesicular Acetylcholine Transporter (VAcHT) Antibody (ABIN7043686, ABIN7044219 and ABIN7044220)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize VAcHT from mouse and rat samples. The antibody is not suited to recognize VAcHT from human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

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Target:	SLC18A3
Alternative Name:	Vesicular Acetylcholine Transporter (VACHT) ( <a href="#">SLC18A3 Products</a> )
Background:	Alternative names: Vesicular Acetylcholine Transporter (VACHT), Solute carrier family 18 member 3, SLC18A3
Gene ID:	60422
NCBI Accession:	<a href="#">NM_003055</a>
UniProt:	<a href="#">Q62666</a>

## Application Details

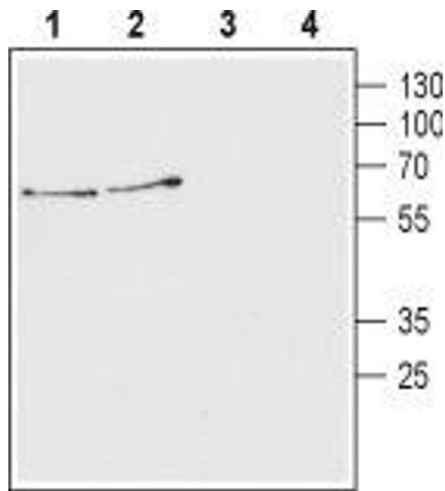
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

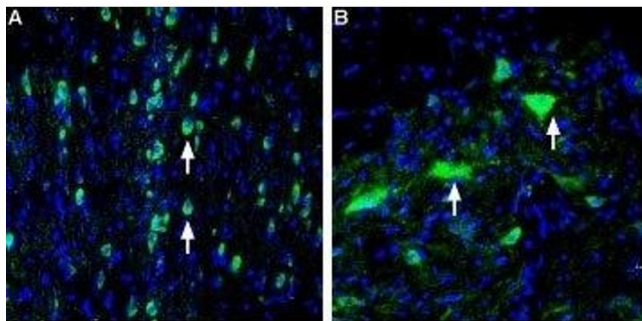
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Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



### Western Blotting

**Image 1.** Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain lysates: - 1,2. Anti-Vesicular Acetylcholine Transporter (VAcHT) Antibody (ABIN7043686, ABIN7044219 and ABIN7044220), (1:200).3,4. Anti-Vesicular Acetylcholine Transporter (VAcHT) Antibody, preincubated with Vesicular Acetylcholine Transporter/VAcHT Blocking Peptide (#BLP-CT003).



### Immunohistochemistry

**Image 2.** Expression of VAcHT in rat medial septum and spinal cord - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-Vesicular Acetylcholine Transporter (VAcHT) Antibody (ABIN7043686, ABIN7044219 and ABIN7044220), (1:400), followed by goat-anti-rabbit-AlexaFluor-488. A. VAcHT staining (green) in rat medial septum is detected in neuronal soma (arrows). B. Staining of spinal cord sections reveals VAcHT labeling in neuronal soma (arrows). Cell nuclei are stained with DAPI (blue).