

Datasheet for ABIN7043688
anti-SLC18A2 antibody (1st Lumenal Region)[Go to Product page](#)

2 Images

Overview

Quantity:	25 µL
Target:	SLC18A2
Binding Specificity:	1st Lumenal Region, AA 52-64
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC18A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KHEKNSTEIQT(A)R, corresponding to amino acid residues 52-64 of rat VMAT2
Isotype:	IgG
Characteristics:	Anti-VMAT2 Antibody (ABIN7043688, ABIN7044610 and ABIN7044611)) is a highly specific antibody directed against an epitope of the rat vesicular monoamine transporter 2. The antibody can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize VMAT2 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

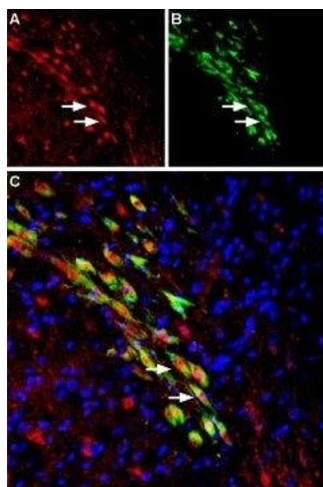
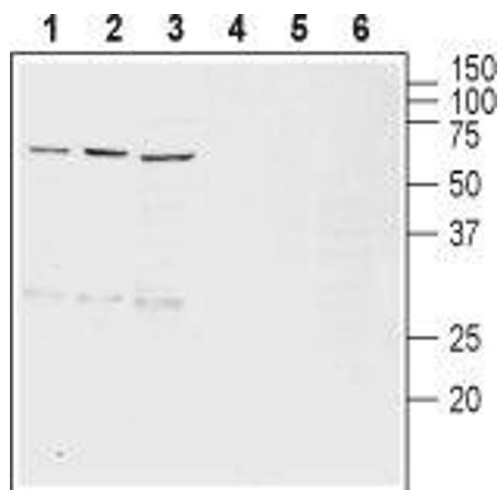
Target:	SLC18A2
Alternative Name:	VMAT2 (SLC18A2 Products)
Background:	Alternative names: VMAT2, Vesicular monoamine transporter 2, SLC18A2, SVAT, VAT2
Gene ID:	25549
NCBI Accession:	NM_003054
UniProt:	Q01827

Application Details

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

Handling

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 rat brain (lanes 1 and 4), mouse brain (lanes 2 and 5) and rat brain stem (lanes 3 and 6) lysates: - 1-3. Anti-VMAT2 Antibody (ABIN7043688, ABIN7044610 and ABIN7044611), (1:400). 4-6. Anti-VMAT2 Antibody, preincubated with VMAT2 Blocking Peptide (#BLP-MT006).

Immunohistochemistry

Image 2. Expression of VMAT2 in rat substantia nigra dopaminergic neurons - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-VMAT2 Antibody (ABIN7043688, ABIN7044610 and ABIN7044611), (1:1000). A. VMAT2 staining (red). B. Tyrosine hydroxylase staining (green), a marker of dopaminergic neurons. C. Merger of A and B demonstrates VMAT2 expression in several dopaminergic neurons (arrows). Cell nuclei were stained with DAPI (blue).