



[Go to Product page](#)

Datasheet for ABIN719816
anti-VAT1 antibody (AA 421-525)

1 Image

Overview

Quantity:	100 µL
Target:	VAT1
Binding Specificity:	AA 421-525
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human VMAT1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	VAT1
---------	------

Target Details

Alternative Name: [VAT1 \(VAT1 Products\)](#)

Background: Synonyms: Adrenal chromaffin granule amine transporter, CGAT, CGAT, Chromaffin granule amine transporter, SLC18A1, Solute carrier family 18 vesicular monoamine, member 1, Solute carrier family 18 member 1, VAT 1, VAT1, Vesicular amine transporter 1, VMAT 1, VMAT1, VMAT1_HUMAN.

Background: The vesicular monoamine transporter acts to accumulate cytosolic monoamines into vesicles, using the proton gradient maintained across the vesicular membrane. Its proper function is essential to the correct activity of the monoaminergic systems that have been implicated in several human neuropsychiatric disorders. The transporter is a site of action of important drugs, including reserpine and tetrabenazine (Peter et al., 1993 [PubMed 7905859]). See also SLC18A2 (MIM 193001).[supplied by OMIM, Mar 2008].

Molecular Weight: 56kDa

Gene ID: 6570

UniProt: [P54219](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

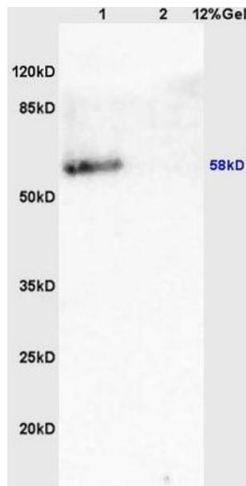
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Images



SDS-PAGE

Image 1. L1 human colon carcinoma lysates L2 mouse brain lysates probed with Anti VMAT1/VAT1 Polyclonal Antibody, Unconjugated (ABIN719816) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 58 kDa. Observed band size:58 kDa.