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- Expressversand

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Anti-VACHT Antibody [S6-38]

Mouse Anti-Human VACHT Monoclonal IgG1
Catalog No. SMC-393



Discovery through partnership | Excellence through quality

Overview

Product Name

VACHT Antibody

Description

Mouse Anti-Human VACHT Monoclonal IgG1

Species Reactivity

Human, Mouse, Rat

Applications

WB, IHC

Antibody Dilution

WB (1:1000), IHC (1:200); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Human

Immunogen

Synthetic peptide amino acids 521-532 of human VACHT

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S6-38

Isotype

IgG1

Specificity

Detects ~56kDa.

Cite This Product

Mouse Anti-Human VACHT Monoclonal, Clone S6-38 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-393)

Certificate Of Analysis

A dilution of 1:50-1:200 of SMC-341 was sufficient for detection of VACHT Transporter in rat brain using immunohistochemistry analysis and goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Vesicular Acetylcholine Transporter Antibody, MGC12716 Antibody, rVAT Antibody, Slc18a3 Antibody, Solute carrier family 18 (vesicular acetylcholine) member 3 Antibody, Solute carrier family 18 (vesicular monoamine) member 3 Antibody, Solute carrier family 18 member 3 Antibody

Research Areas

Cell Structure, Neuroscience, Neurotransmitter Transporters, Pre-Synaptic Markers, Pumps/Transporters

Cellular Localization

Membrane

Accession Number

NP_003046.2

Gene ID

6572

Swiss Prot

Q16572

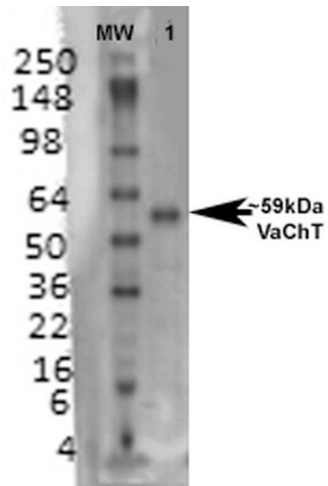
Scientific Background

VACHT is a member of the vesicular amine transporter (VMAT) family. The encoded transmembrane protein transports acetylcholine into secretory vesicle for release into the extracellular space. Acetylcholine (Ach) transport utilizes a proton gradient established by a vacuolar ATPase. This gene is located within the first intron of the choline acetyltransferase gene.

References

1. Erickson J.D., Varoqui H. (2000) FASEB J. 14(15): 2450-2458.
 2. Weihe E., Tao-Cheng J.H., Schafer M.K., Erickson J.D., Eiden L.E. (1996) Proc Natl Acad Sci USA. 93(8): 3547-3552.
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Product Images



Western Blot analysis of Rat brain membrane lysate showing detection of VAcHT protein using Mouse Anti-VAcHT Monoclonal Antibody, Clone S6-38 (SMC-393). Primary Antibody: Mouse Anti-VAcHT Monoclonal Antibody (SMC-393) at 1:1000.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.