

VMAT1 Antibody

Catalog No: #48159

Package Size: #48159-1 50ul #48159-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

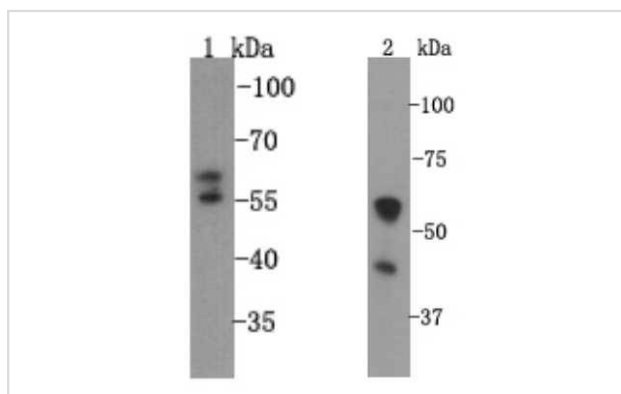
Description

Product Name	VMAT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, ICC
Species Reactivity	Hu,Rt
Immunogen Description	peptide
Other Names	4832416I10Rik antibody Adrenal chromaffin granule amine transporter; CGAT antibody CGAT antibody Chromaffin granule amine transporter antibody MGC28683 antibody MGC37299 antibody SLC18A1 antibody Solute carrier family 18 (vesicular monoamine), member 1 antibody Solute carrier family 18 member 1 antibody VAT 1 antibody VAT1 antibody Vesicular amine transporter 1 antibody VMAT 1 antibody VMAT1_HUMAN antibody
Accession No.	Swiss-Prot#:P54219
Calculated MW	56 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

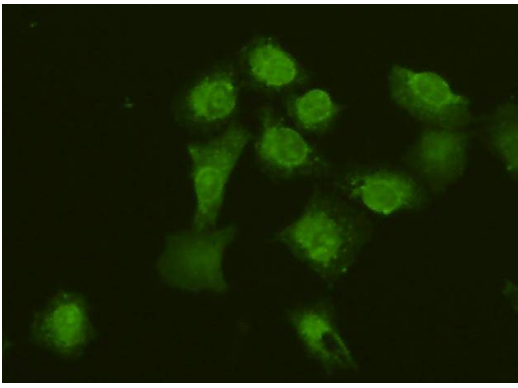
Application Details

WB: 1:500 ICC: 1:100

Images



Western blot analysis on A549 (1) and PC12 (2) cell lysates using anti-VMAT1 rabbit polyclonal antibodies.



Immunofluorescent staining of A549 cells using anti-VMAT1 rabbit polyclonal antibody.

Background

Vesicular monoamine transporter 1 (VMAT1) also known as chromaffin granule amine transporter (CGAT) or solute carrier family 18 member 1 (SLC18A1) is a protein that in humans is encoded by the SLC18A1 gene. VMAT1 is an integral membrane protein, which is embedded in synaptic vesicles and serves to transfer monoamines, such as norepinephrine, dopamine, and serotonin, between the cytosol and synaptic vesicles.

References

1. Anlauf M, Eissele R, Schöfer MK, Eiden LE, Arnold R, Pauser U, Klöppel G, Weihe E (August 2003). "Expression of the two isoforms of the vesicular monoamine transporter (VMAT1 and VMAT2) in the endocrine pancreas and pancreatic endocrine tumors". *J. Histochem. Cytochem.* 51 (8): 1027β 40.
2. Lohoff F, Dahl J, Ferraro T, Arnold S, Gallinat J, Sander T, Berrettini W (December 2006). "Variations in the vesicular monoamine transporter type 1 gene (VMAT1/SLC18A1) are associated with bipolar I disorder". *Neuropsychopharmacology* 31 (12): 2739β 2747.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.