

For Research Use Only

# VACHT Polyclonal antibody

Catalog Number: 27303-1-AP



## Basic Information

<b>Catalog Number:</b> 27303-1-AP	<b>GenBank Accession Number:</b> BC007765	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6572	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16572	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 18 (vesicular acetylcholine), member 3	
<b>Immunogen Catalog Number:</b> AG25153	<b>Calculated MW:</b> 532 aa, 57 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

SLC18A3 also known as VACHT, is the vesicular amine transporter family member. The SLC18A3 gene encodes a transmembrane protein that transports acetylcholine (ACh) into presynaptic secretory vesicles for release at cholinergic nerve endings in the central and peripheral nervous systems. Mutations in SLC18A3 are associated with congenital myasthenic syndrome (PMID: 27590285). The 68-70 kDa mature glycosylated form of VACHT can be detected (PMID: 14705140).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

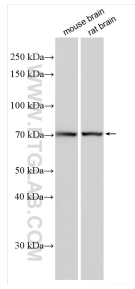
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27303-1-AP (VChT antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.