

VACHT Polyclonal antibody

Catalog Number: 27303-1-AP

Basic Information

Catalog Number:

27303-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25153

GenBank Accession Number:

BC007765

GeneID (NCBI):

6572

UNIPROT ID:

Q16572

Full Name:

solute carrier family 18 (vesicular acetylcholine), member 3

Calculated MW:

532 aa, 57 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

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:

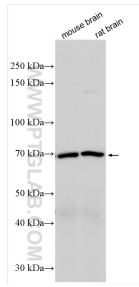
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



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