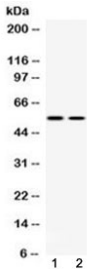
VAChT Antibody / Vesicular acetylcholine transporter (R32623)

Catalog No.	Formulation	Size
R32623	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q16572
Applications	Western Blot : 0.5-1ug/ml
Limitations	This VAChT antibody is available for research use only.



Western blot testing of 1) human HeLa and 2) mouse HEPA cell lysate with VAChT antibody at 0.5ug/ml. Predicted molecular weight ~57 kDa.

Description

The Vesicular acetylcholine transporter (VAChT), also known as SLC18A3, is a neurotransmitter transporter which is responsible for loadingacetylcholine (ACh) into secretory organelles in neurons making acetylcholine available for secretion. It is encoded by Solute carrier family 18, member 3 (SLC18A3) gene. This gene is a member of the vesicular amine transporter family. The encoded transmembrane protein transports acetylcholine into secretory vesicles for release into the extracellular space. Acetylcholine transport utilizes a proton gradient established by a vacuolar ATPase. This gene is located within the first intron of the choline acetyltransferase gene.

Application Notes

Optimal dilution of the VAChT antibody should be determined by the researcher.

Immunogen

Amino acids 1-36 (MESAEPAGQARAAATKLSEAVGAALQEPRRQRRLVL-human) were used as the immunogen for the VAChT antibody.

Storage

After reconstitution, the VAChT antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.