

Datasheet for ABIN351374
anti-SLC18A3 antibody (AA 450-510)



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Overview

Quantity:	50 µg
Target:	SLC18A3
Binding Specificity:	AA 450-510
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SLC18A3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Goat antibody to VACHT
Immunogen:	A synthetic peptide from AA 450-510 of human VACHT conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat and mouse.
Isotype:	IgG1, IgG1 kappa
Specificity:	Specific for VACHT.
Cross-Reactivity:	Human, Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	Affinity purified. Sterilised UV-C irradiated acidified to pH 3.5 then neutralised.

Target Details

Target:	SLC18A3
Alternative Name:	VACHT (SLC18A3 Products)
Background:	<p>FUNCTION: Involved in acetylcholine transport into synaptic vesicles. SUBCELLULAR LOCATION: Membrane, Multi-pass membrane protein. TISSUE SPECIFICITY: High expression in all major cholinergic cell groups including peripheral postganglionic parasympathetic cells preganglionic sympathetic and parasympathetic cells ventral spinal cord and brainstem motoneurons cell groups in the basal forebrain the habenula and the corpus striatum. Weakly expressed in the cortex and hippocampus. VACHT is also present in the olfactory bulb nucleus of the lateral olfactory tract olfactory tubercle. SIMILARITY: Belongs to the major facilitator superfamily. Vesicular transporter family.</p>
UniProt:	Q16572

Application Details

Application Notes:	IHC WB. A working concentration of 1-10 µg/ml is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 50 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20C for long term storage and refrigerated at 2-8C for a shorter term. When reconstituting glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months