ARG52471
anti-SLC18A2 / VMAT2 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Sheep Polyclonal antibody recognizes SLC18A2 / VMAT2
Tested Reactivity	Rat
Tested Application	WB
Host	Sheep
Clonality	Polyclonal
Isotype	IgG
Target Name	SLC18A2 / VMAT2
Species	Human
Immunogen	Synthetic peptide corresponding to amino acid residues from the intracellular C-terminal region conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	VAT2; VMAT2; Solute carrier family 18 member 2; SVMT; Synaptic vesicular amine transporter; SVAT; Vesicular amine transporter 2; Monoamine transporter

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: Specific for the ~57k VMAT2 protein in Western blots of Rat caudate lysate.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

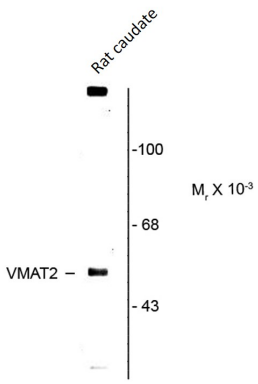
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 25549 Rat
	Swiss-port # Q01827 Rat
Gene Symbol	VMAT2
Gene Full Name	solute carrier family 18 (vesicular monoamine transporter), member 2
Background	Vesicular neurotransmitter transporters sequester the transmitters into synaptic vesicles (Erickson et al., 1996). The vesicular monoamine transporter 2 (VMAT2) is responsible for catecholamine and serotonin storage in central synapses. Antibodies specific for VMAT have been used to monitor expression of the transporter during development and in aging and can be effectively used as a marker for monoamine terminals (Haycock et al., 2003; Witkovsky et al., 2005).
Research Area	Neuroscience antibody
Calculated Mw	56 kDa

Images



ARG52471 anti-SLC18A2 / VMAT2 antibody WB image

Western blot: Rat caudate lysate showing specific immunolabeling of the ~ 57 kDa VMAT2 protein stained with ARG52471 anti-SLC18A2 / VMAT2 antibody.