

## Product datasheet for **TA500463M**

### VMAT2 (SLC18A2) Mouse Monoclonal Antibody [Clone ID: OTI10C11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10C11
Applications:	IHC, WB
Recommended Dilution:	WB 1:500 IHC 1:50
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human SLC18A2 expression vector
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.93 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55.7 kDa
Gene Name:	solute carrier family 18 member A2
Database Link:	<a href="#">NP_003045</a> <a href="#">Entrez Gene 25549 Rat</a> <a href="#">Entrez Gene 214084 Mouse</a> <a href="#">Entrez Gene 6571 Human</a> <a href="#">Q05940</a>
Background:	The vesicular monoamine transporter acts to accumulate cytosolic monoamines into synaptic vesicles, using the proton gradient maintained across the synaptic vesicular membrane. Its proper function is essential to the correct activity of the monoaminergic systems that have been implicated in several human neuropsychiatric disorders. The transporter is a site of action of important drugs, including reserpine and <a href="#">Xenazine</a> .
Synonyms:	SVAT; SVMT; VAT2; VMAT2

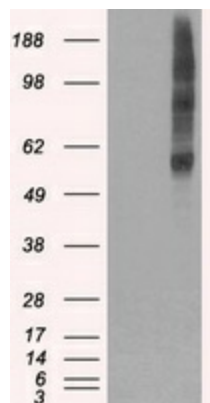


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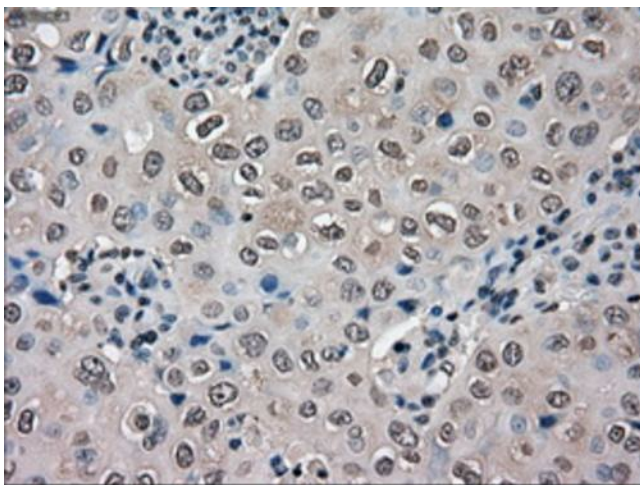
**Protein Families:** Transmembrane

**Protein Pathways:** Parkinson's disease

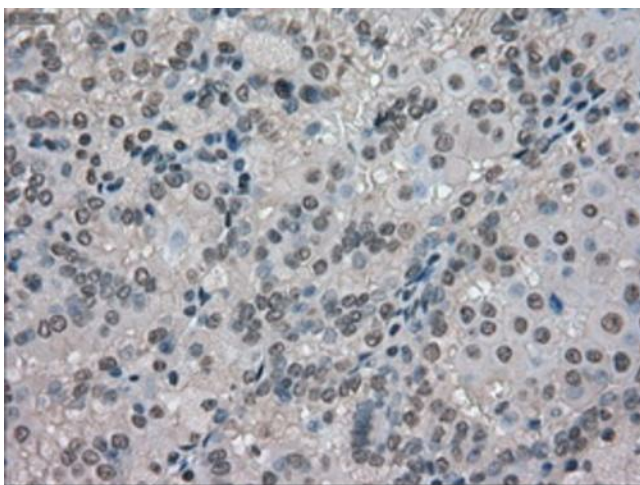
**Product images:**



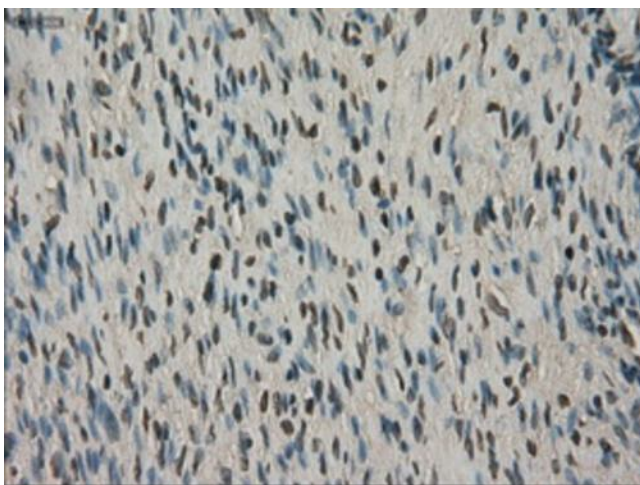
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SLC18A2 [RC221342], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SLC18A2. Positive lysates [LY401066] (100ug) and [LC401066] (20ug) can be purchased separately from OriGene.



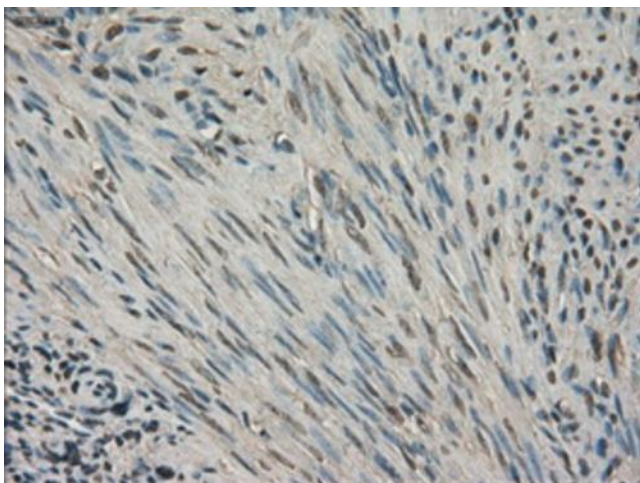
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-SLC18A2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of kidney tissue using anti-SLC18A2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Ovary tissue within the normal limits using anti-SLC18A2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded endometrium tissue within the normal limits using anti-SLC18A2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.