SLC18A2 Antibody

Mouse Monoclonal Antibody [Clone SLC18A2/7983]

Catalog No	Format	Size
6571-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6571-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6571-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

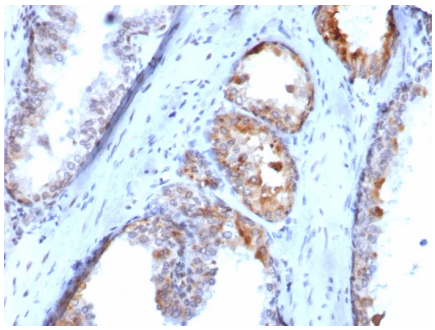
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

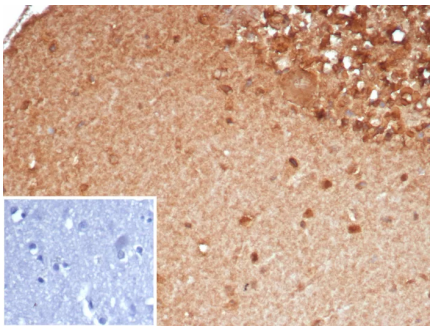
Clone	SLC18A2/7983
Gene Name	SLC18A2
Immunogen	Recombinant fragment of human SLC18A2 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	63kDa
Cellular Localization	Cytoplasm. Vesicle membrane.
Species Reactivity	Human
Positive Control	adrenal gland or tonsil.|Human brain

**Optimal dilution for a specific application should be determined.*

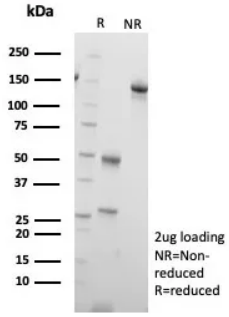
Product Images for SLC18A2 Antibody



Formalin-fixed, paraffin-embedded human prostate stained with SLC18A2 Mouse Monoclonal Antibody (SLC18A2/7983). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human brain stained with SLC18A2 Mouse Monoclonal Antibody (SLC18A2/7983). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified SLC18A2 Mouse Monoclonal Antibody (SLC18A2/7983). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Neurotransmission depends on the regulated exocytotic release of chemical transmitter molecules. This requires the packaging of these substances into the specialized secretory vesicles of neurons and neuroendocrine cells, a process mediated by specific vesicular transporters. The family of genes encoding the vesicular transporters of monoamines (VMAT 1 and VMAT 2) and acetylcholine (VACht) have been cloned and functionally characterized. The sequence of these integral membrane proteins predicts twelve transmembrane domains and weak homology to a class of bacterial antibiotic resistance proteins. The vesicular transport of neurotransmitter molecules has been shown to be an active ATP- and proton dependent transport mechanism.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Neural Stem Cells

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.