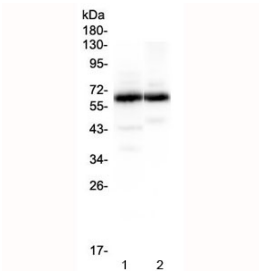
SYT1 Antibody / Synaptotagmin 1 (RQ4208)

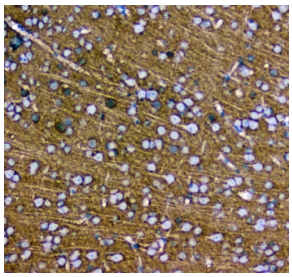
Catalog No.	Formulation	Size
RQ4208	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

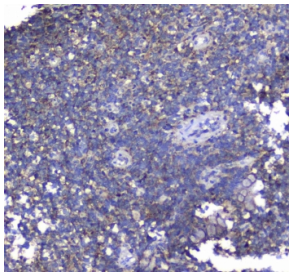
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P21579
Localization	Cytoplasm, secretory vesicle membrane
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/10^6 cells
Limitations	This SYT1 antibody is available for research use only.



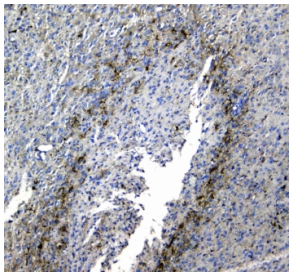
Western blot testing of 1) rat brain and 2) mouse brain lysate with SYT1 antibody at 0.5ug/ml. Expected molecular weight: 48-65 kDa depending on glycosylation level.



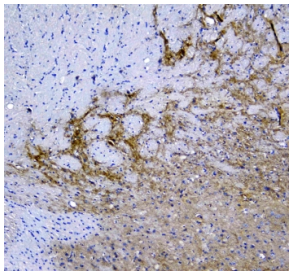
IHC testing of FFPE human glioma with SYT1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



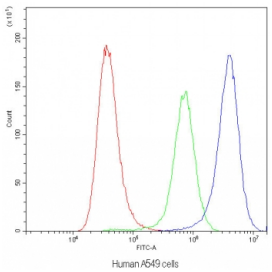
IHC testing of FFPE mouse brain tissue with SYT1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



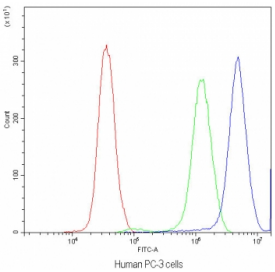
IHC testing of FFPE rat brain tissue with SYT1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



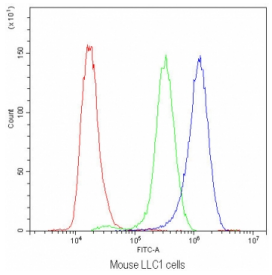
IHC testing of FFPE human melanoma with SYT1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human A549 cells with SYT1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=SYT1 antibody.



Flow cytometry testing of human PC-3 cells with SYT1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=SYT1 antibody.



Flow cytometry testing of mouse LLC1 cells with SYT1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=SYT1 antibody.

Description

Synaptotagmin-1 is a protein that in humans is encoded by the SYT1 gene. The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin-1 participates in triggering neurotransmitter release at the synapse.

Application Notes

Optimal dilution of the SYT1 antibody should be determined by the researcher.

Immunogen

Amino acids RRPIAQWHTLQVEEEVDAMLAVKK were used as the immunogen for the SYT1 antibody.

Storage

After reconstitution, the SYT1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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