

anti- Synaptotagmin-1 antibody

Product Information

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|---------------|---|
| Catalog No.: | FNab08425 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

Background

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis(PMID: 8058779). SYT1(synaptotagmin I) was firstly identified as a 65-kDa protein with a wide distribution in neuronal and neurosecretory tissue(PMID: 7298720). Calcium binding to SYT1 participates in triggering neurotransmitter release at the synapse(PMID: 11242035). In addition to regulating exocytosis, SYT1 has also been implicated in endocytosis and neurite outgrowth(PMID: 15492212; 11078930; 10336114). This antibody recognizes endogenous SYT1, which has an experimentally determined molecular mass of 65-68 kDa. An additional band of 47 kDa could also be detected, which is corresponding to the calculated molecular weight of SYT1.

Immunogen information

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|--------------|--|
| Immunogen: | synaptotagmin I |
| Synonyms: | DKFZp781D2042, P65, SVP65, Synaptotagmin 1, synaptotagmin I, SYT, SYT1, SytI |
| Observed MW: | 65 kDa |
| UniprotID : | P21579 |

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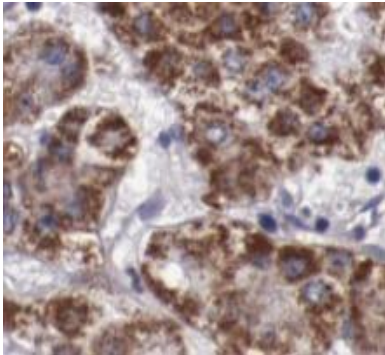
Application

Reactivity: Human, Mouse, Rat

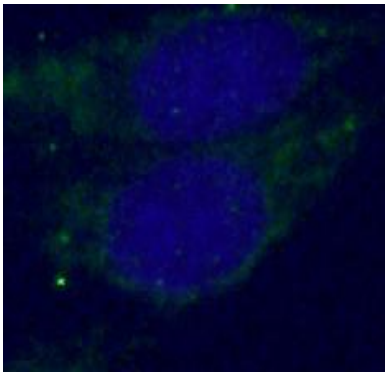
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:1000; IP: 1:500-1:1000; IHC: 1:20-1:200; IF: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human liver cancer using FNab08425(SYT1 antibody) at dilution of 1:100



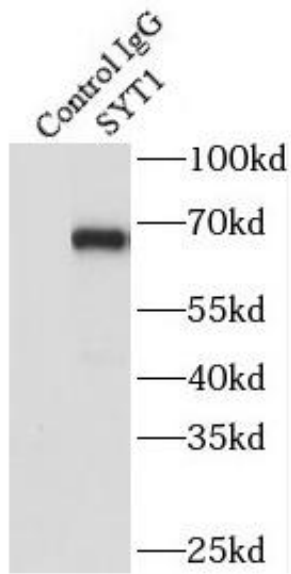
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FNab08425 (Synaptotagmin-1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)

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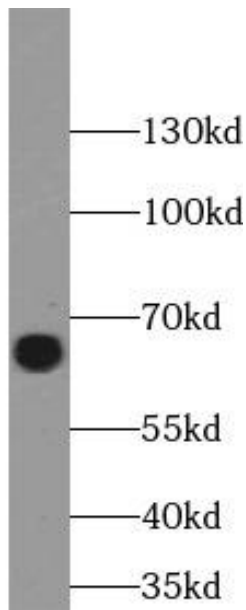
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IP Result of anti-Synaptotagmin-1 (IP:FNab08425, 4ug; Detection:FNab08425 1:500) with mouse testis tissue lysate 4000ug.



human liver tissue were subjected to SDS PAGE followed by western blot with FNab08425(SYT1 antibody) at dilution of 1:1000