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SYT1 (N3) Antibody, Rabbit Polyclonal

Cat#: R0738-3

Quantity: 100 ul

Predicted | Observed MW: 48 | 58 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P21579

Background:

Synaptotagmin-1 (SYT1) is a single-pass membrane protein belonging to the synaptotagmin family. SYT1 may have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. SYT1 binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone. A Ca²⁺-dependent interaction between SYT1 and putative receptors for activated protein kinase C has also been reported. SYT1 can bind to at least three additional proteins in a Ca²⁺-independent manner; these are neurexins, syntaxin and AP2.

Other Names:

Synaptotagmin-1, Synaptotagmin I, p65, SVP65, SYT

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human SYT1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Species Specificity:

Human, Mouse

Product Data:

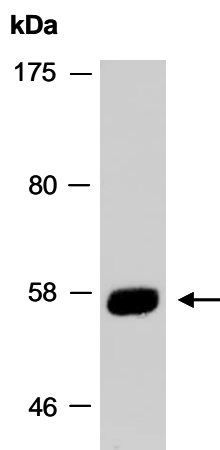


Fig 1. Western blot of total cell extracts from mouse brain; using anti-SYT1 (N3) (R0738-3) at RT for 2 h.