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SYT5 (N1) Antibody, Rabbit Polyclonal

Cat#: R0759-1

Quantity: 100 ul

Predicted M.W.: 43 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O00445

Background:

Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may be involved in Ca^{2+} -dependent exocytosis of secretory vesicles through Ca^{2+} and phospholipid binding to the C2 domain or may serve as Ca^{2+} sensors in the process of vesicular trafficking and exocytosis. SYT5 regulates the Ca^{2+} -dependent secretion of norepinephrine in PC12 cells. SYT5 is also required for export from the endocytic recycling compartment to the cell surface.

Other Names:

Synaptotagmin-5, Synaptotagmin V, SytV

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human SYT5. 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% NaN_3 . Store at $-20\text{ }^\circ\text{C}$. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:500-1:1,000 (detect endogenous protein*)

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

Product Data:

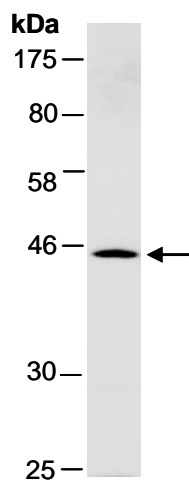


Fig 1. Western blot of total cell extracts from human Jurkat, using Ab (R0759-1) at RT for 2 h.