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Anti-SYT11 Antibody
Rabbit polyclonal antibody to SYT11
Catalog # AP61004

Specification

Anti-SYT11 Antibody - Product Information

Application	**WB**
Primary Accession	Q9BT88
Other Accession	Q9R0N3
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**48297**

Anti-SYT11 Antibody - Additional Information

Gene ID 23208

Other Names
KIAA0080; Synaptotagmin-11; Synaptotagmin XI; SytXI

Target/Specificity
Recognizes endogenous levels of SYT11 protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-SYT11 Antibody - Protein Information

Name SYT11 (HGNC:19239)

Synonyms KIAA0080

Function
Synaptotagmin family member involved in vesicular and membrane trafficking which does not bind Ca(2+). Inhibits clathrin- mediated and bulk endocytosis, functions to ensure precision in vesicle retrieval. Plays an important role in dopamine transmission by regulating endocytosis and the vesicle-recycling process. Essential component of a neuronal vesicular trafficking pathway that differs from the synaptic vesicle trafficking pathway but is crucial for development and synaptic plasticity. In macrophages and microglia, inhibits the conventional cytokine secretion, of at least IL6 and TNF, and phagocytosis. In astrocytes, regulates lysosome exocytosis, mechanism required

for the repair of injured astrocyte cell membrane (By similarity). Required for the ATP13A2-mediated regulation of the autophagy-lysosome pathway (PubMed:27278822).

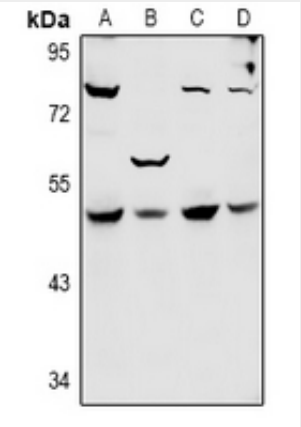
Cellular Location
Cytoplasmic vesicle membrane; Single-pass membrane protein. Perikaryon {ECO:0000250|UniProtKB:Q9R0N3}. Golgi apparatus, trans-Golgi network membrane {ECO:0000250|UniProtKB:Q9R0N3}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q9R0N3}. Recycling endosome membrane {ECO:0000250|UniProtKB:Q9R0N3}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q9R0N3}. Lysosome membrane {ECO:0000250|UniProtKB:Q9R0N3}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q9R0N3}. Cytoplasmic vesicle, phagosome {ECO:0000250|UniProtKB:Q9R0N3}. Cell projection, axon. Cell projection, dendrite. Postsynaptic density {ECO:0000250|UniProtKB:Q9R0N3}. Recycling endosome membrane {ECO:0000250|UniProtKB:O08835}; Single-pass membrane protein {ECO:0000250|UniProtKB:O08835}. Cytoplasmic vesicle, clathrin-coated vesicle membrane {ECO:0000250|UniProtKB:O08835}; Single-pass membrane protein {ECO:0000250|UniProtKB:O08835}. Perikaryon. Note=Localized in vesicles that travels in axonal and dendritic shafts in both anterograde and retrograde directions. In macrophages and microglia, recruited in phagosomes at early stages of phagocytosis (By similarity). Found in the core of the Lewy bodies in the brain of sporadic Parkinson disease patients (PubMed:12925569). {ECO:0000250|UniProtKB:Q9R0N3, ECO:0000269|PubMed:12925569}

Anti-SYT11 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SYT11 Antibody - Images



Western blot analysis of SYT11 expression in Hela (A), A549 (B), CT26 (C), PC12 (D) whole cell lysates.

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Anti-SYT11 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SYT11. The exact sequence is proprietary.