

SYT3 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13121

Product Information

Application	WB
Primary Accession	Q9BQG1
Other Accession	NM_032298 , NP_115674
Reactivity	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63304

Additional Information

Gene ID	84258
Alias Symbol	DKFZp761O132, SytIII
Other Names	Synaptotagmin-3, Synaptotagmin III, SytIII, SYT3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SYT3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SYT3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SYT3
Function	Ca(2+) sensor involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain. Ca(2+) induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis (By similarity). Plays a role in dendrite formation by melanocytes (PubMed: 23999003).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P40748}; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle membrane; Single-pass membrane protein

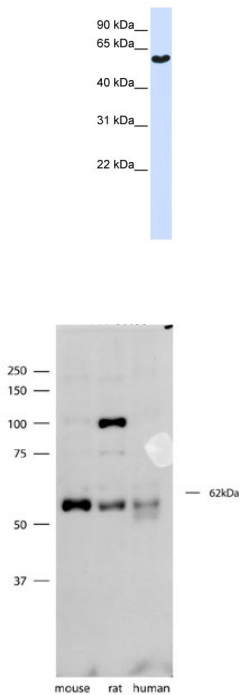
Tissue Location

Expressed in melanocytes (PubMed:23999003).

References

Wiemann S.,et al.Genome Res. 11:422-435(2001).
Sjoebloom T.,et al.Science 314:268-274(2006).

Images



WB Suggested Anti-SYT3 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: 293T cell lysate

SYT3 antibody - N-terminal region (AI13121) validated by
WB using mouse, rat, and human brain lysates at 1µg/ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.