10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SYT3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13121

Specification

SYT3 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9BQG1
Other Accession	NM_032298, NP_115674
Reactivity	**Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**63kDa KDa**

SYT3 antibody - N-terminal region - 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.

SYT3 antibody - N-terminal region - 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

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Cell membrane {ECO:0000250|UniProtKB:P40748}; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle membrane; Single-pass membrane protein

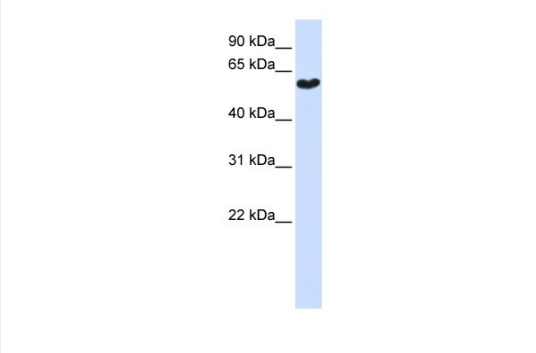
Tissue Location
Expressed in melanocytes (PubMed:23999003).

SYT3 antibody - N-terminal region - Protocols

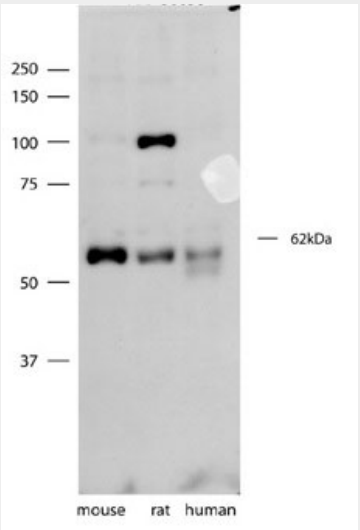
Provided below are standard protocols that you may find useful for product applications.

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

SYT3 antibody - N-terminal region - Images



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



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

SYT3 antibody - N-terminal region - References

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