SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-STMN3/AF647 Conjugated antibody

Catalog Number: SL6596R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-STMN3/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human STMN3
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Chicken,Cow,Horse,Sheep)
Background:	background: STMN3 belongs to the stathmin/oncoprotein 18 family of microtubule-destabilizing phosphoproteins. It is similar to the SCG10 protein and is involved in signal transduction and regulation of microtubule dynamics. **Function:** Exhibits microtubule-destabilizing activity, which is antagonized by STAT3 (By similarity). **Subunit:** Interacts with STAT3 (By similarity). **Subcellular Location:** Golgi apparatus. Cell projection, growth cone. Cell projection, axon. **Tissue Specificity:** Neuron specific. **Post-translational modifications:** N-terminal palmitoylation promotes specific anchoring to the cytosolic leaflet of Golgi membranes and subsequent vesicular trafficking along dendrites and axons. Neuronal Stathmins are substrates for palmitoyltransferases ZDHHC3, ZDHHC7 and ZDHHC15. **Similarity:** Belongs to the stathmin family. Important

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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