SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-CAMTA1/Cy3 Conjugated antibody

Catalog Number: SL5995R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CAMTA1/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human CAMTA1
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:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	background: CAMTA1 is a transcription activator which is a putatuove tumor suppressor. It is thought to interact with calmodulin. Defects in CAMTA1 are detected in patients with oligodendroglioma and astrocytoma. **Function:** Transcriptional activator. May act as a tumor suppressor. **Subunit:** May interact with calmodulin (Potential). **Subcellular Location:** Nucleus (Probable). Cytoplasm. **Tissue Specificity:** Normally expressed in non-neoplastic adult central nervous system tissues: detected in whole brain, cerebellum, brain cortex, occipital lobe, frontal lobe, temporal lobe, putamen. Expression levels are low in oligodendroglial tumors, and are reduced by half in oligodendroglioma and astrocytoma cases with 1p loss of heterozygosity. Detected in neuroblastic-type cultured neuroblastoma cells. Expressed in heart and kidney. **Similarity:** Belongs to the CAMTA family. Contains 3 ANK repeats. Contains 1 CG-1 DNA-binding domain.

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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	Contains 1 IPT/TIG domain. Contains 3 IQ domains. **Database links:** **Entrez Gene:** 23261 Human **Entrez Gene:** 100072 Mouse Omim: 611501 Human **SwissProt:** Q9Y6Y1 Human **SwissProt:** A2A898 Mouse **Unigene:** 397705 Human **Unigene:** 671020 Human **Unigene:** 318846 Mouse 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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