

Rabbit Anti-CAMTA1/Cy5 Conjugated antibody

SL5995R-Cy5

Product Name	Anti-CAMTA1/Cy5
Chinese Name	Cy5 标记的钙调蛋白结合转录激活因子 1 抗体
Alias	Calmodulin-binding transcription activator 1; Calmodulin binding transcription activator 1; CMTA1; KIAA0833; CMTA1_HUMAN.
Research Area	Tumour Cell biology immunology Chromatin and nuclear signals
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	183kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CAMTA1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
Storage	
Product Detail	background: CAMTA1 is a transcription activator which is a putative 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.

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.