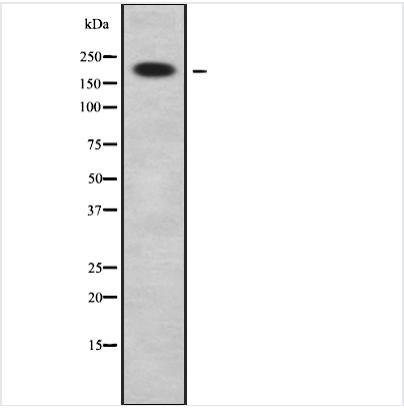
CAMTA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAMTA1, Polyclonal Antibody
Full Product Name	CAMTA1 Antibody
Product Gene Name	anti-CAMTA1 antibody
Product Synonym Names	Calmodulin-binding transcription activator 1; CANPMR; CMTA1; KIAA0833
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	CAMTA1 antibody detects endogenous levels of total CAMTA1
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	CAMTA1 peptide (MBS9628334) is used for blocking the activity of CAMTA1 antibody (MBS9609630)
Molecular Weight	Observed: 184 kDa Predicted: 184 kDa
3D Structure	ModBase 3D Structure for Q9Y6Y1
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human CAMTA1
Subcellular Location	Nuclear
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.
Predicted Cross Reactivity	**Pig, Horse, Sheep, Rabbit, Dog, Chicken**
Similarity	Pig (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CAMTA1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CAMTA1 antibody	WB: 1:1000-3000

Related Product Information for anti-CAMTA1 antibody	Function: Transcriptional activator. May act as a tumor suppressor. Subunit Structure: May interact with calmodulin. Similarity: Belongs to the CAMTA family.
Other Notes	Small volumes of anti-CAMTA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CAMTA1 purchase	MBS9609630 is an antibody targeting CAMTA1. Also known as CAMTA1 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CAMTA1 antibody
Western blot analysis of CAMTA1 using K562 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAMTA1. It may not necessarily be applicable to this product.

NCBI GI #	307133748
NCBI GeneID	23261
NCBI Accession #	NP_001182492.1
UniProt Primary Accession #	Q9Y6Y1
UniProt Secondary Accession #	Q5VUE1; Q6V701; Q8WYI3; Q96S92; A7MBM4; G3V3Z7
UniProt Related Accession #	Q9Y6Y1
GenBank Nucleotide #	NM_001195563.1
NCBI Official Full Name	calmodulin-binding transcription activator 1 isoform b
NCBI Official Synonym Full Names	calmodulin binding transcription activator 1
NCBI Official Symbol	CAMTA1
NCBI Official Synonym Symbols	CANPMR
UniProt Protein Name	Calmodulin-binding transcription activator 1
Protein Family	Calmodulin-binding transcription activator
UniProt Gene Name	CAMTA1
UniProt Synonym Gene Names	KIAA0833
NCBI Protein Information	calmodulin-binding transcription activator 1

NCBI Summary for CAMTA1	The protein encoded by this gene contains a CG1 DNA-binding domain, a transcription factor immunoglobulin domain, ankyrin repeats, and calmodulin-binding IQ motifs. The encoded protein is thought to be a transcription factor and may be a tumor suppressor. However, a translocation event is sometimes observed between this gene and the WWTR1 gene, with the resulting WWTR1-CAMTA1 oncoprotein leading to epithelioid hemangioendothelioma, a malignant vascular cancer. [provided by RefSeq, Mar 2017]
UniProt Comments for CAMTA1	Transcriptional activator. May act as a tumor suppressor.
Research Articles on CAMTA1	**1.** This GWAS identified 2 loci at 10q23 (rs139550538; P = 1.87 x 10-9) and in the CAMTA1 gene at 1p36 (rs2412208, P = 3.53 x 10-8). genome-wide levels of significance that influence survival in patients with ALS.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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