

CAMTA1 Rabbit pAb

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Catalog # AP58356

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y6Y1
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	183672
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CAMTA1
Epitope Specificity	101-200/1673
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus (Probable). Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	23261
Other Names	Calmodulin-binding transcription activator 1 {ECO:0000312 HGNC:HGNC:18806}, CAMTA1 (HGNC:18806)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CAMTA1 (HGNC:18806)
Function	Transcriptional activator.

Cellular Location

Nucleus. Cytoplasm

Tissue Location

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.

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Images

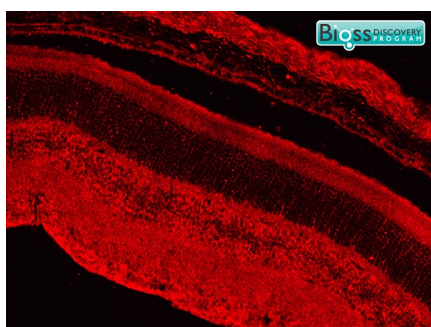
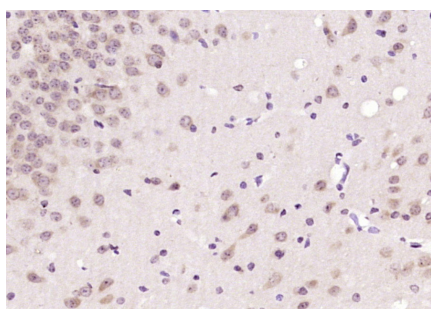


Image was kindly submitted by Dr. Luan Zhou at the University of Massachusetts Medical School. Frozen mouse retina stained with Rabbit Anti-CAMTA1 Polyclonal Antibody (AP58356)



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CAMTA1) Polyclonal Antibody, Unconjugated (AP58356) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.