

CALM1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8549b

Product Information

Application	WB, FC, IHC-P, IF, E
Primary Accession	P0DP23
Other Accession	P05419 , P62155 , P62161 , P62160 , P62204 , P62152 , Q6PI52 , P62149 , O16305 , P62157 , NP_008819
Reactivity	Human
Predicted	Mouse, Rat, Rabbit, Zebrafish, Chicken, Xenopus, Bovine, C.Elegans, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21103
Antigen Region	107-132

Additional Information

Other Names	Calmodulin, CaM, CALM1, CALM, CAM, CAM1
Target/Specificity	This CALM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-132 amino acids from the C-terminal region of human CALM1.
Dilution	WB~~1:1000 FC~~1:10~50 IHC-P~~1:100~500 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CALM1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

CALM1 is a member of the EF-hand calcium-binding protein family. Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+). Among the enzymes to be stimulated by the

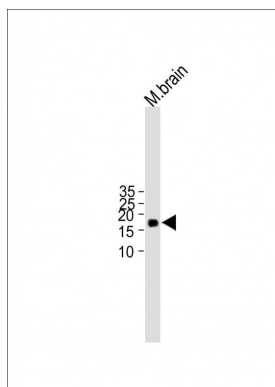
calmodulin-Ca(2+) complex are a number of protein kinases and phosphatases. Together with CEP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.

References

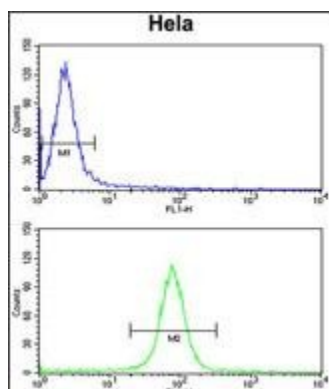
Zhao,D., et.al., Zhonghua Yi Xue Za Zhi 88 (35), 2452-2456 (2008)

Martins-de-Souza,D., et.al., J. Neural Transm. 116 (3), 275-289 (2009)

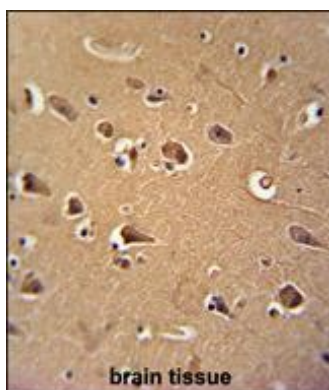
Images



All lanes : Anti-CALM1 Antibody (C-term) at 1:1000 dilution Lane 1: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 17kDa Blocking/Dilution buffer: 5% NFDm/TBST.

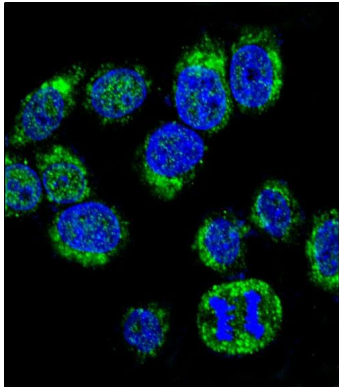


CALM1 Antibody (C-term) (Cat.#AP8549b) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



CALM1 Antibody (C-term) (Cat. #AP8549b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CALM1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Confocal immunofluorescent analysis of CALM1 Antibody (C-term)(Cat. #AP8549b) with HeLa cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



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