CALM1 Antibody / Calmodulin (F54975)

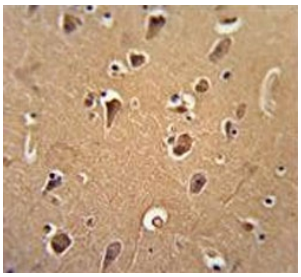
Catalog No.	Formulation	Size
F54975-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54975-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

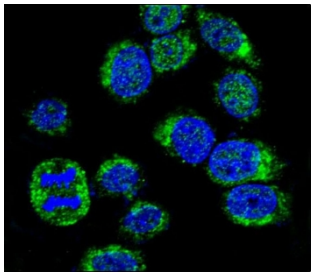
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P0DP23
Localization	Cytoplasmic
Applications	Immunofluorescence: 1:10-1:50 Immunohistochemistry (FFPE): 1:50-1:100 Flow cytometry: 1:10-1:50 (1x10e6 cells) Western blot: 1:500-1:1000
Limitations	This CALM1 antibody is available for research use only.



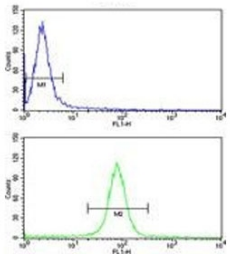
Western blot testing of human HeLa cell lysate with CALM1 antibody. Predicted molecular weight ~17 kDa.



IHC testing of FFPE human brain tissue with CALM1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with CALM1 antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human HeLa cells with CALM1 antibody; Blue=isotype control, Green= CALM1 antibody.

Description

CALM1/Calmodulin 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the CALM1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 107-132 from the human protein was used as the immunogen for the CALM1 antibody.

Storage

Aliquot the CALM1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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