

Calmodulin Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1570b

Specification

Calmodulin Antibody (C-term) - Product Information

Application Primary Accession Other Accession

Reactivity Predicted

Host Clonality Isotype Antigen Region WB, IHC-P,E P62158 P62155, P62161, P62160, P62204, O6PI52, P62149, P62157, O6YNX6, P0DP23, P0DP26, P0DP29, P0DP33, P0DP24, P0DP27, P0DP30, P0DP25, P0DP28, P0DP31, P0DP34, P0DP35 Human, Mouse, Rat Xenopus, Bovine, Chicken, Zebrafish, Rabbit, Sheep Rabbit Polyclonal Rabbit IgG 117-149

Calmodulin Antibody (C-term) - Additional Information

Other Names Calmodulin, CaM, CALM1, CALM, CAM, CAM1

Target/Specificity

This Calmodulin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 117-149 amino acids from the C-terminal region of human Calmodulin.

Dilution WB~~1:2000 IHC-P~~1:250 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Calmodulin Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Calmodulin Antibody (C-term) - Protein Information

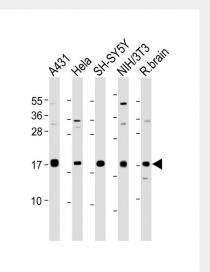


Calmodulin Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

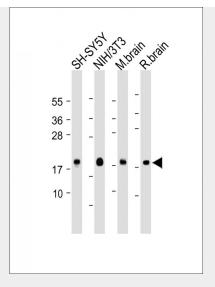
- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Calmodulin Antibody (C-term) - Images



All lanes : Anti-hCalmodulin-D132 at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: Rat brain lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





All lanes : Anti-Calmodulin Antibody at 1:2000 dilution Lane 1: SH-SY5Y whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: Mouse brain lysate Lane 4: Rat brain lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AP1570b staining hCalmodulin-D132 in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Samples were incubated with primary antibody (1/250) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Calmodulin Antibody (C-term) - Background

Calmodulin is the archetype of the family of calcium-modulated proteins of which nearly 20 members have been found. They are identified by their occurrence in the cytosol or on membranes facing the cytosol and by a high affinity for calcium. Calmodulin contains 149 amino acids and has 4 calcium-binding domains. Its functions include roles in growth and the cell cycle as well as in signal transduction and the synthesis and release of neurotransmitters.

Calmodulin Antibody (C-term) - References

Radding, W., et al., AIDS Res. Hum. Retroviruses 16(15):1519-1525 (2000). Wang, D., et al., J. Neurochem. 75(2):763-771 (2000).



Toutenhoofd, S.L., et al., Cell Calcium 23(5):323-338 (1998). Matoba, R., et al., Gene 146(2):199-207 (1994). Berchtold, M.W., et al., Genomics 16(2):461-465 (1993). Calmodulin Antibody (C-term) - Citations

• Target identification by chromatographic co-elution: monitoring of drug-protein interactions without immobilization or chemical derivatization.