10320 Camino Santa Fe, Suite G
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Calmodulin Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1570b

Specification

Calmodulin Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P62158
Other Accession	P62155, P62161, P62160, P62204, Q6PI52, P62149, P62157, Q6YNX6, P0DP23, P0DP26, P0DP29, P0DP33, P0DP24, P0DP27, P0DP30, P0DP25, P0DP28, P0DP31, P0DP34, P0DP35
Reactivity	**Human, Mouse, Rat**
Predicted	**Xenopus, Bovine, Chicken, Zebrafish, Rabbit, Sheep**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**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

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

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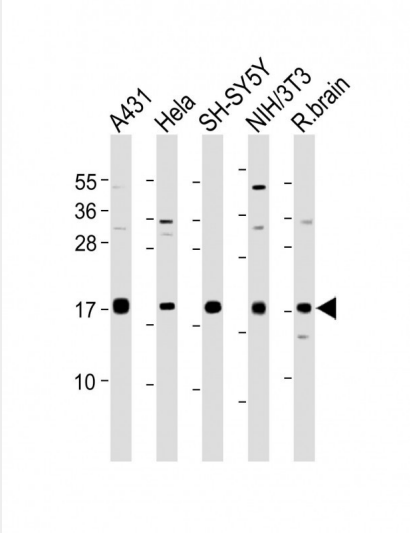
Calmodulin Antibody (C-term) - Protocols

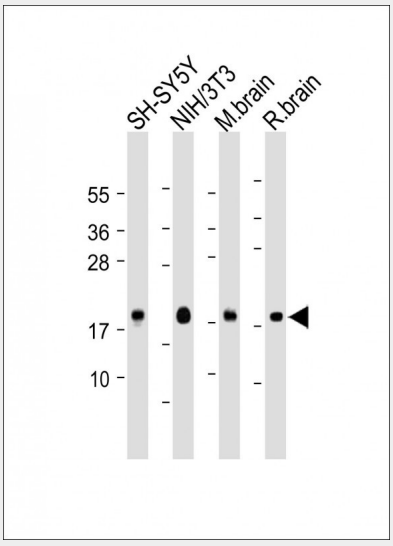
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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 µg 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.



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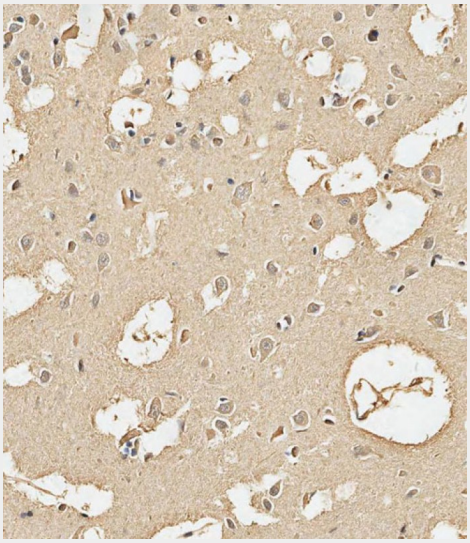
All lanes : Anti-Calmodulin Antibody at 1:2000 dilution Lane 1: SH-SY5Y whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: Mouse brain lysate Lane 4: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted 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.