

**Calmodulin Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1570b**

**Specification**

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**Calmodulin Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P62158</a>
Other Accession	<a href="#">P62155</a> , <a href="#">P62161</a> , <a href="#">P62160</a> , <a href="#">P62204</a> , <a href="#">Q6PI52</a> , <a href="#">P62149</a> , <a href="#">P62157</a> , <a href="#">Q6YNX6</a> , <a href="#">P0DP23</a> , <a href="#">P0DP26</a> , <a href="#">P0DP29</a> , <a href="#">P0DP33</a> , <a href="#">P0DP24</a> , <a href="#">P0DP27</a> , <a href="#">P0DP30</a> , <a href="#">P0DP25</a> , <a href="#">P0DP28</a> , <a href="#">P0DP31</a> , <a href="#">P0DP34</a> , <a href="#">P0DP35</a>
Reactivity Predicted	<b>Human, Mouse, Rat</b> <b>Xenopus, Bovine, Chicken, Zebrafish,</b> <b>Rabbit, Sheep</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>117-149</b>

**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.

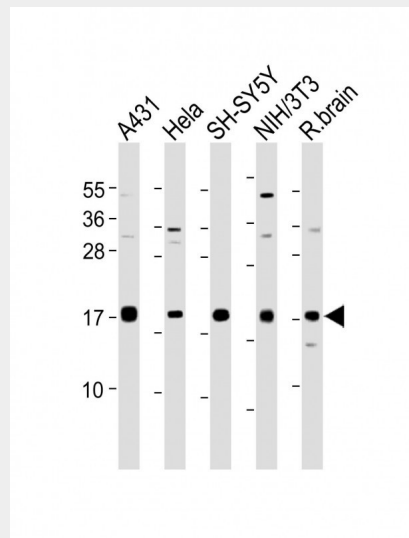
**Calmodulin Antibody (C-term) - Protein Information**

## Calmodulin Antibody (C-term) - Protocols

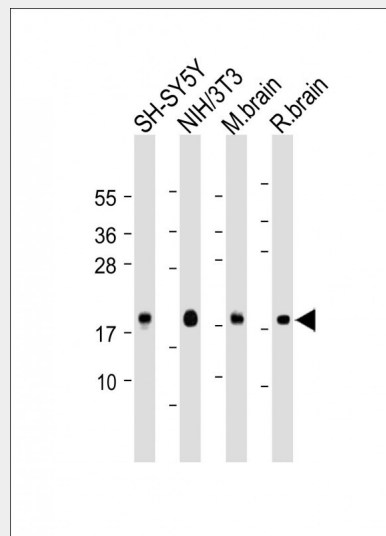
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

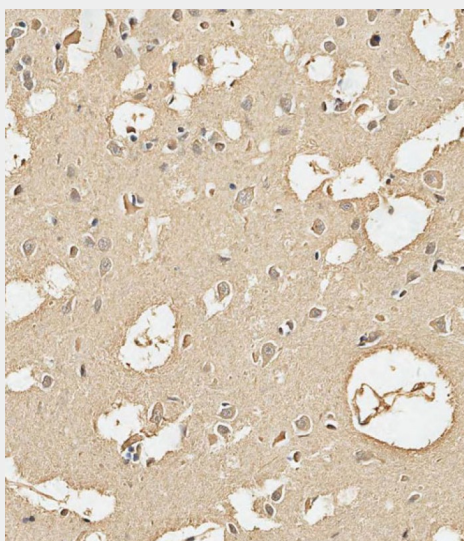
## Calmodulin Antibody (C-term) - Images



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.



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% NFD/MTBST.



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.](#)