

## Rabbit Calmodulin Polyclonal Antibody | anti-CALM1 antibody

Calmodulin Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY                                                                            | APPLICATIONS                              |
|-----------|--------|---------------------------------------------------------------------------------------|-------------------------------------------|
| AAA290186 | Rabbit | Human (Predicted Reactivity: Bovine, Chicken, Zebrafish, Mouse, Rabbit, Rat, Xenopus) | Immunohistochemistry, ELISA, Western Blot |

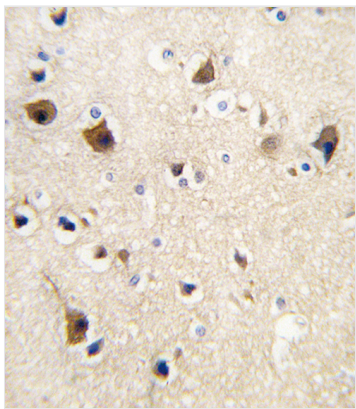
### PRODUCT SYNONYMS

Calmodulin; Polyclonal Antibody; Calmodulin Antibody (C-term); CaM; CALM1; CALM; CAM; CAM1; anti-CALM1 antibody

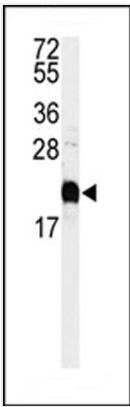
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human (Predicted Reactivity: Bovine, Chicken, Zebrafish, Mouse, Rabbit, Rat, Xenopus)                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| 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.          |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 117-149                                                                                                                                                                                   |
| Sequence Length                                 | 149                                                                                                                                                                                       |
| Applicable Applications for anti-CALM1 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                      |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                  | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

IMAGES



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human brain tissue reacted with Calmodulin antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of anti-Calmodulin Antibody (C-term) in HeLa cell line lysates (35ug/lane). Calmodulin(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CALM1 antibody | 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. |
| Product Categories/Family for anti-CALM1 antibody   | Cancer; Cardiovascular; Cell biology; Metabolism; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                   |
| References                                          | Radding, W., et al., AIDS Res. Hum. Retroviruses 16(15):1519-1525 (2000).<br>Wang, D., et al., J. Neurochem. 75(2):763-771 (2000).<br>Toutenhoofd, S.L., et al., Cell Calcium 23(5):323-338 (1998).<br>Matoba, R., et al., Gene 146(2):199-207 (1994).<br>Berchtold, M.W., et al., Genomics 16(2):461-465 (1993).                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 4502549                                                                |
| NCBI GeneID                      | 805                                                                    |
| NCBI Accession #                 | NP_001734.1; NP_005175.2; NP_008819.1                                  |
| NCBI GenBank Nucleotide #        | NM_001743.5                                                            |
| UniProt Accession #              | P62158; P02593; P70667; P99014; Q13942; Q53S29; Q61379; Q61380; Q96HK3 |
| Molecular Weight                 | 16838                                                                  |
| NCBI Official Full Name          | calmodulin isoform 2                                                   |
| NCBI Official Synonym Full Names | calmodulin 2 (phosphorylase kinase, delta)                             |
| NCBI Official Symbol             | CALM2                                                                  |
| NCBI Official Synonym Symbols    | caM; PHKD; CAMII; LQT15; PHKD2                                         |
| NCBI Protein Information         | calmodulin                                                             |
| UniProt Protein Name             | Calmodulin                                                             |
| UniProt Gene Name                | CALM1                                                                  |

|                            |                      |
|----------------------------|----------------------|
| UniProt Synonym Gene Names | CALM; CAM; CAM1; CaM |
| UniProt Entry Name         | CALM_HUMAN           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/calmodulin-antibody-immunohistochemistry-western-blot-elisa/290186>