BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-CALHM1 Antibody

**Catalog Number:** A03599-1

## About CALHM1

Alzheimer's disease (AD) is a progressive neurodegenerative disorder characterized by a massive loss of neurons in several brain regions and by the presence of senile plaques comprised of aggregated amyloid-beta (Abeta) peptides produced by the endoproteolysis of the amyloid precursor protein (APP). The calcium homeostasis modulator 1 (CALHM1) is a recently identified multipass transmembrane glycoprotein that controls cytosolic Ca2+ concentration and Abeta levels. While some studies suggest CALHM1 is significantly associated with risk of AD, other reports suggest there is no link. CALHM1 has been suggested to modulate the Ca2+-dependent proteolytic process of APP through controlling the level of cytosolic Ca2+.

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## Overview

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|---|---|
| Product Name | Anti-CALHM1 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-CALHM1 Antibody (Catalog # A03599-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IF, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | CALHM1 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | CALHM1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | Q8IU99 |

## Technical Details

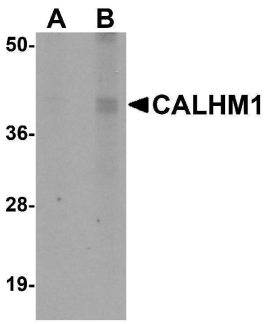
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|---|---|
| Immunogen | CALHM1 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human CALHM1. The immunogen is located within amino acids 60 - 110 of CALHM1. |
| Predicted Reactive Species | Bovine, Mouse, Rat |

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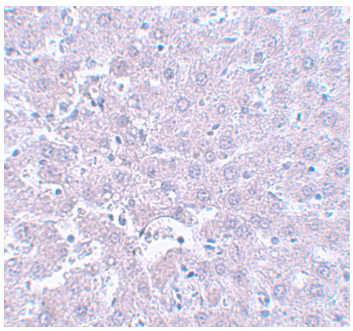
| | |
|---|---|
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | CALHM1 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | CALHM1 antibody can be used for detection of CALHM1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.<br>Antibody validated: Western Blot in rat samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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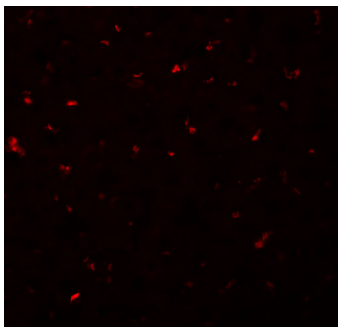
# Anti-CALHM1 Antibody (A03599-1) Images




Western blot analysis of CALHM1 in rat liver tissue lysate with CALHM1 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of CALHM1 in rat liver tissue with CALHM1 antibody at 5 ug/mL.



Immunofluorescence of CALHM1 in Rat Liver cells with CALHM1 antibody at 20 ug/mL.



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