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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-CIDE-A Antibody

**Catalog Number:** A02671-1

## About CIDEA

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase. DFF45/ICAD has been identified as inhibitor of caspase activated DNase DFF40/CAD. DFF45 related proteins CIDE-A and CIDE-B (for cell death-inducing DFF-like effector A and B) were recently identified. CIDE contains a new type of domain termed CIDE-N, which has high homology with the regulatory domains of DFF45/ICAD and DFF40/CAD. Expression of CIDE-A induces DNA fragmentation and activates apoptosis, which is inhibited by DFF45. CIDE-A is a DFF45-inhibitable effector that promotes cell death and DNA fragmentation. CIDE-A is expressed in many tissues.

## Overview

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| Product Name | Anti-CIDE-A Antibody |
| Reactive Species | Human, Mouse |
| Description | Boster Bio Anti-CIDE-A Antibody (Catalog # A02671-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse. |
| Application | ELISA, IF, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | CIDE-A Antibody is supplied in PBS containing 0.02% sodium azide. |
| Storage Instructions | CIDE-A antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | O60543 |

## Technical Details

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| Immunogen | CIDE-A antibody was raised against an 18 amino acid peptide near the carboxy terminus of mouse CIDE-A. The immunogen is located within the last 50 amino acids of CIDE-A. |
| Predicted Reactive Species | Bovine, Chicken, Mouse, Rat |
| Cross Reactivity | It has no cross activity to CIDE-B. |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |

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|---|---|
| Purification | CIDE-A Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows:<br>Boster Bio's internal QC testing used:<br>CIDE-A antibody can be used for detection of CIDE-A by Western blot at 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.<br>Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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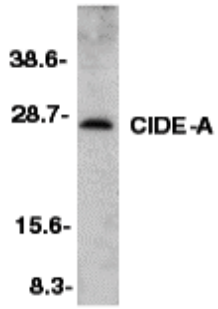
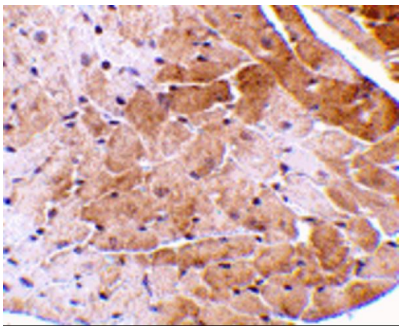
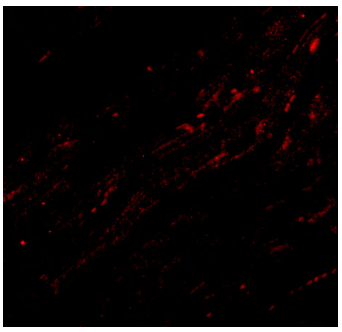
# Anti-CIDE-A Antibody (A02671-1) Images



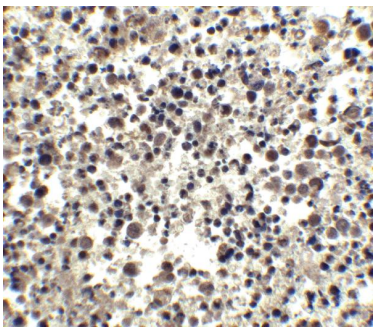

Western blot analysis of CIDE-A in mouse heart tissue lysate with CIDE-A antibody at 1:500 dilution.



Immunohistochemistry of CIDE-A in mouse heart tissue with CIDE-A antibody at 5 ug/mL.



Immunofluorescence of CIDE-A in Mouse Heart cells with CIDE-A antibody at 20 ug/mL.



Immunohistochemistry of CIDE-A in human brain tissue with CIDE-A antibody at 2.5 ug/ml.

Immunofluorescence of CIDE-A in human brain tissue with CIDE A antibody at 20 ug/mL.

Green: CIDE-A Antibody (A02671-1)
Blue: DAPI staining

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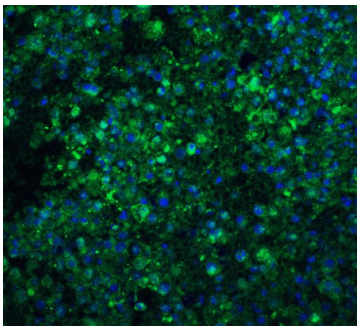

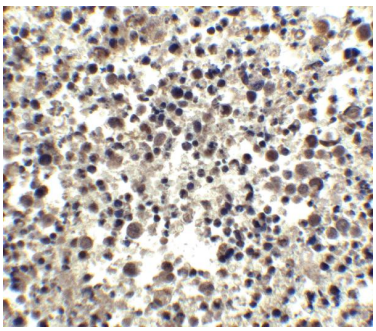

Immunohistochemistry of CIDE-A in human brain tissue with CIDE A antibody at 2.5 ug/mL.



Anti-CIDE-A Antibody