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

Anti-CIDE-B Antibody

Catalog Number: A07404-1

About CIDEB

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-B induces apoptosis, which is inhibited by DFF45. CIDE-B is a DFF45-inhibitable effector that promotes cell death and DNA fragmentation. CIDE-B is expressed mainly in liver and at lower levels in spleen, kidney, peripheral blood lymphocytes and bone marrow.

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Overview

Product Name	Anti-CIDE-B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CIDE-B Antibody (Catalog # A07404-1). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	CIDE-B Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	CIDE-B 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	Q9UHD4

Technical Details

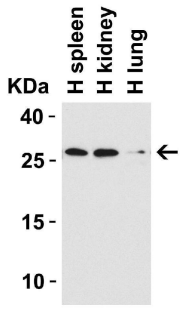
Immunogen	CIDE-B antibody was raised against a peptide corresponding to 15 amino acids near the carboxy terminus of human CIDE-B. The immunogen is located within the last 50 amino acids of CIDE-B.

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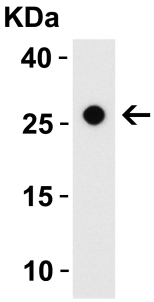
Predicted Reactive Species	Bovine
Cross Reactivity	CIDE-B antibody has no cross activity to CIDE-A.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	CIDE-B Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	WB: 1-2 ug/mL; IHC-P/IF: 5-20 ug/mL. Antibody validated: Western Blot in human, mouse and rat samples; Immunofluorescence in the human, mouse and rat samples. All other applications and species not yet tested.

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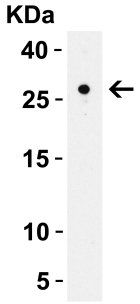
Anti-CIDE-B Antibody (A07404-1) Images



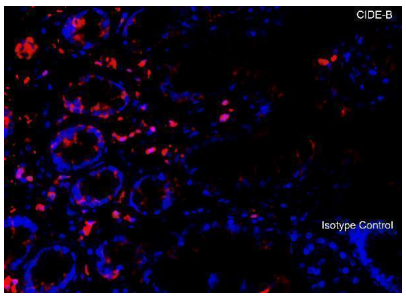
WB Validation in Human Tissues Loading: 15 ug of lysate Antibodies: CIDE-B, A07404-1, 1 u g/mL , 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



WB Validation in Mouse Small Intestine Loading: 15 ug of lysate Antibodies: CIDE-B, A07404-1, 1 u g/mL , 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000



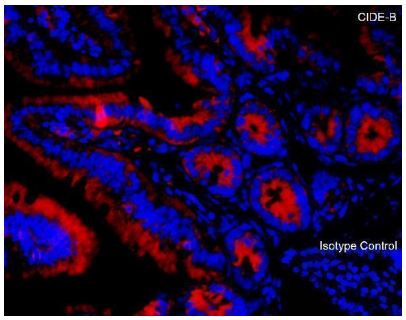
WB Validation in Rat Small Intestine Loading: 15 ug of lysate Antibodies: CIDE-B, A07404-1, 2 ug/mL , 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

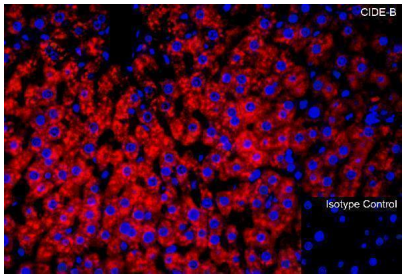


Immunofluorescence Validation of CIDE-B in Human Small Intestine Immunofluorescent analysis of 4% paraformaldehyde-fixed human small intestine tissue labeling CIDE-B with A07404-1 at 10 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).

Immunofluorescence Validation of CIDE-B in Mouse Small Intestine Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse small intestine tissue labeling CIDE-B with A07404-1 at 10 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).

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Immunofluorescence Validation of CIDE-B in Rat Liver
Immunofluorescent analysis of 4% paraformaldehyde-fixed rat liver tissue labeling CIDE-B with A07404-1 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).

Anti-CIDE-B Antibody

For Research Use Only. Not for use in diagnostic procedures.