

Anti-CIDE-A Antibody

Catalog Number: A02671

About CIDEA

Apoptosis is related to many diseases and induced by a family of cell death receptors. Cell death signals are transduced by DD-, DED-, or CARD-containing molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase DFF40/CAD, which is chaperoned and inhibited by DFF45/ICAD. 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 expressed in many tissues.

Overview

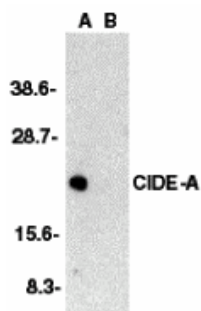
Product Name	Anti-CIDE-A Antibody
Reactive Species	Human
Description	Boster Bio Anti-CIDE-A Antibody (Catalog # A02671). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	CIDE-A Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CIDE-A antibody can be stored at 4°C for three months and -20°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	O60543

Technical Details

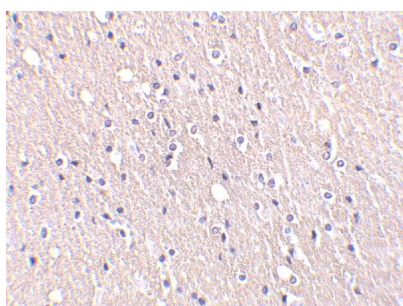
Immunogen	CIDE-A antibody was raised against a 18 amino acid peptide near the carboxy terminus of human CIDE-A. The immunogen is located within the last 50 amino acids of CIDE-A.
Predicted Reactive Species	Bovine, Chicken, Mouse, Rat
Cross Reactivity	It has no cross activity to CIDE-B.
Isotype	IgG
Form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

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. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: CIDE-A antibody can be used for detection of CIDE-A by Western blot at 2 ug/mL. An approximately 23 kDa band can be detected. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

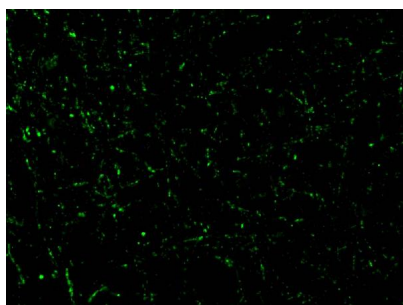
Anti-CIDE-A Antibody (A02671) Images



Western blot analysis of CIDE-A in human brain tissue lysate in the absence (A) or presence (B) of peptide (A02671P) with CIDE-A antibody at 1:2000 dilution.



Immunohistochemistry of CIDE-A in human brain tissue with CIDE-A antibody at 5 ug/mL.



Immunofluorescence of CIDE-A in Human Brain cells with CIDE-A antibody at 20 ug/mL.

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