CIDE-B Antibody

Catalog No: #24055

Description

Product Name	CIDE-B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Ms
Specificity	It has no cross activity to CIDE-A.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 204 to 219 of murine CIDE-B.
Target Name	CIDE-B
Accession No.	Swiss-Prot:O70303Gene ID:12684
Uniprot	O70303
GeneID	12684;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Application Details

Predicted MW: 25 kd

Images
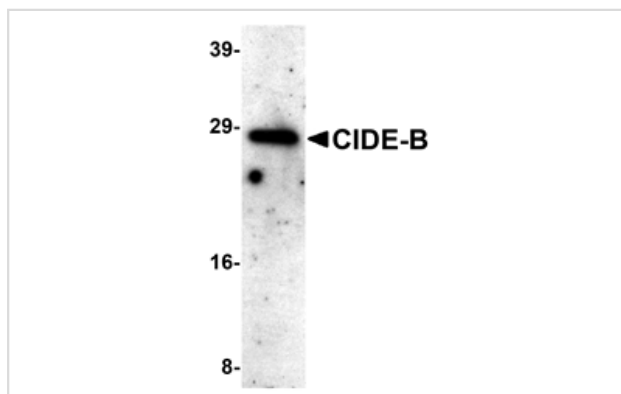
Western blot analysis of CIDE-B in mouse liver tissue lysate with CIDE-B antibody at 1:500 dilution.

Background

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.

Note: This product is for in vitro research use only