CIDE-A Antibody

Catalog No: #24054

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

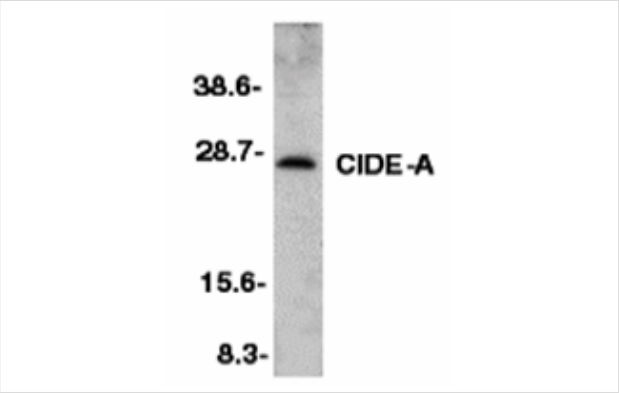
Description

Product Name	CIDE-A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Ms
Specificity	It has no cross activity to CIDE-B.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 200 to 214 of mouse CIDE-A.
Target Name	CIDE-A
Accession No.	Swiss-Prot:O60543Gene ID:1149
Uniprot	O60543
GeneID	1149;
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.

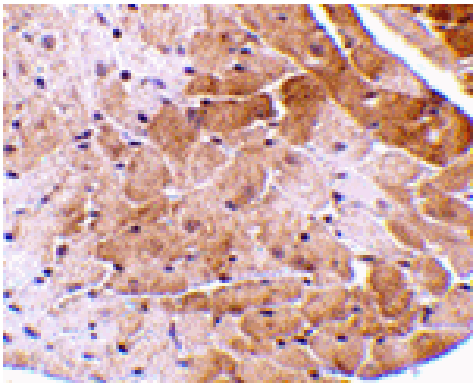
Application Details

Predicted MW: 25 kd

Images



Western blot analysis of CIDE-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.

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-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.

Note: This product is for in vitro research use only