

## Polyclonal Antibody to Mouse CIDE-A (CT)

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| <b>Alternate names:</b> | CIDE-A, CIDEA, Cell Death-inducing DFFA-like Effector A  |
| <b>Catalog No.:</b>     | SP6228P  |
| <b>Quantity:</b>        | 50 µg  |
| <b>Concentration:</b>   | 0.5 mg/ml  |
| <b>Host:</b>            | Rabbit   |
| <b>Immunogen:</b>       | Rabbit anti-CIDE-A (CT) polyclonal antibody was raised against a peptide corresponding to amino acids 200 to 214 of mouse CIDE-A (1).<br>Control pepetide available as SP6228CP. |

Format: This antibody is supplied as liquid affinity purified IgG in PBS with 0.02% sodium azide as preservative.

**Applications:** Western blot: 1/500 - 1/1000. Tissue lysate of murine heart can be used as positive control and an approximately 25 kDa band can be detected. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.  
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**Specificity:** This antibody recognises murine CIDE-A. It has no cross activity to CIDE-B. 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 (1). CIDE contains a new type of domain termed CIDE-N, which has high homology with the regulatory domains of DFF45/ICAD and DFF40/CAD (1,2). 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.

**Storage:** Store the antibody at 4-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:** 1. Inohara N, Koseki T, Chen S, Wu X, Núñez G. CIDE, a novel family of cell death activators with homology to the 45 kDa subunit of the DNA fragmentation factor. EMBO J. 1998 May

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1;17(9):2526-33. PubMed PMID: 9564035.

2. Inohara N et al (1999) Identification of regulatory and catalytic domains in the apoptosis nuclease DFF40/CAD. J Biol Chem 274: 270-4. 6. Lugovskoy AA et al (1999) Solution structure of the CIDE-N domain of CIDE-B and a model for CIDE-N/CIDE-N interactions in the DNA fragmentation

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