

PRODUCT DATA SHEET

Product: Anti-ICAD/DFF (human, C-terminus), Polyclonal

Cat. No: PC-002 (100 µg)

Background:

Apoptotic signals are transduced from cell surface death receptor:ligand complexes through death domain containing adaptor molecules and through members of the caspase family of proteases. Ultimately, caspase mediated cleavage of a DNase inhibitor designated DNA Fragmentation Factor (DFF) or ICAD (Inhibitor of Caspase Activated Dnase) permits activation of DNase and degradation of chromosomal DNA, a hallmark of apoptosis.

Specificity:

Recognizes a 45 kDa band identified as ICAD in Western blot analysis of HeLa cell lysates.

Positive control: HeLa whole cell lysate. A 45 kDa band should be detected in non-apoptotic cells.

Species Reactivity:

Human. Does not cross react with mouse, other species not tested.

Ig Isotype:

Rabbit IgG

Immunogen:

Synthetic peptide corresponding to amino acids 313 to 331 of human ICAD/DFF.

Format:

100 µg of purified antibody in 200 µl of PBS containing 0.02% sodium azide.

Storage and Stability:

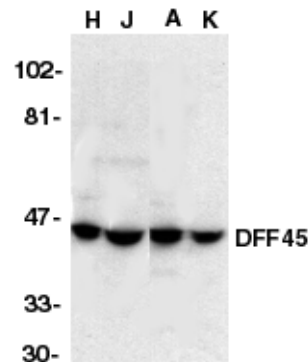
Stable for 1 year when stored at 4°C.

Applications and Suggested Dilutions:

- Western blot: Detects intact and one cleaved fragment of ICAD/DFF. Suggested dilution: 1:1000-1:2000.

- Immunoprecipitation: Use at 1:1000-1:2000.

The optimal dilution for a specific application should be determined by the researcher.



Western blot analysis of ICAD/DFF in HeLa cells (H), Jurkat (J), A431 (A), and K562 (K) whole cell lysate with anti-ICAD/DFF (CT) at 1:1000 dilution.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.