

## Anti-DFF (NT) Antibody

### ORDERING INFORMATION

**Catalog No.:** 2410

**Size:** 100ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

### BACKGROUND

A human DNA fragmentation factor (DFF) which is cleaved by caspase-3 during apoptosis was identified recently. The mouse homologue of human DFF was identified as a DNase inhibitor and was designated ICAD. Upon cleavage of DFF/ICAD, a caspase activated deoxyribonuclease (CAD) is released and activated and eventually causes the degradation of DNA in nuclei. Cleavage of CAD inhibitor molecule DFF/ICAD, which causes DNase activation and DNA degradation, is a hallmark of apoptotic cell death.

### SPECIFICATION SUMMARY

**Antigen:** Peptide corresponding to aa 2-21 at the N-terminus of human DFF45 (accession no. NP\_004392).

**Host Species:** Rabbit

**Stabilizers:** None

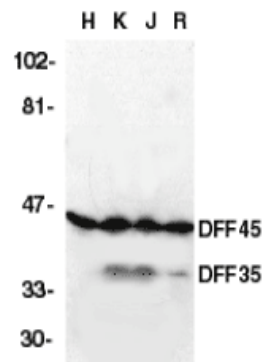
**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

This antibody recognizes non-cleaved (45kDa) and cleaved DFF.

### APPLICATIONS

*Immunoblotting:* use at 2ug/ml.



Western blot analysis of DFF45 in HeLa (H), K562 (K) Jurkat (J), and Raji (R) cell lysates with DFF45 antibody at 2µg/ml.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

*Positive control:* Whole cell lysate from HeLa cells.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*