

## Anti-ICAD (NT) Antibody

### ORDERING INFORMATION

**Catalog No.:** 2425

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

### BACKGROUND

A human DNA fragmentation factor (DFF) that 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 (inhibitor of caspase-activated DNase). Upon cleavage of DFF/ICAD, a caspase activated deoxyribonuclease (CAD) is released and activated and eventually causes the degradation of DNA in nuclei. Therefore, 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 mouse ICAD (accession no. O54786).

**Host Species:** Rabbit

**Stabilizers:** None

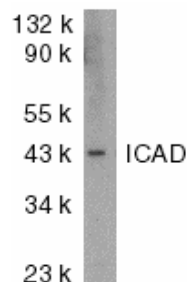
**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

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

### APPLICATIONS

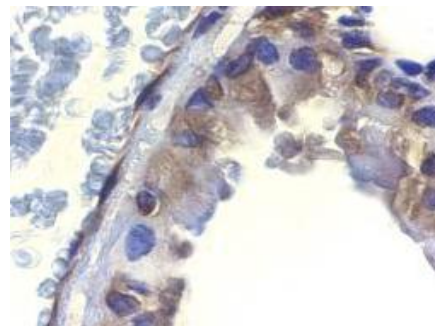
*Immunoblotting* : use at 1ug/ml.



Western blot analysis of ICAD in murine lung tissue lysate with ICAD antibody at 1µg/ml.

*Positive control:* Mouse lung tissue lysate.

*Immunohistochemistry:* use at 2ug/ml.



Immunohistochemical staining of ICAD in murine lung tissue with ICAD antibody at 2µg/ml.

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

### 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.*