

ICAD Antibody (N1102)

Catalog No.	Formulation	Size
N1102-100UG	0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
N1102-25UG	0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	25 ug

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Species Reactivity	Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Protein A affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	1676
Applications	Western Blot : 4-8ug/ml
Limitations	This ICAD antibody is available for research use only.



Western blot test of mouse samples with ICAD antibody at 4ug/ml.

Description

During apoptosis, toxic or useless cells are broken down for removal. DFF, or DNA fragmentation factor, is a heterodimeric protein which mediates DNA fragmentation and chromatin condensation during apoptosis. DFFB is the active DFF subunit but remains inactive while bound to DFFA, also call ICAD (Inhibitor of caspase-activated DNase). Caspase-3 cleaves ICAD, which then dissociates from DFFB. The disassociation removes the inhibitory effects of ICAD, activating DFFB and beginning the DNA fragmentation process.

Application Notes

Provided assay concentrations are suggestions only, antibody titration may be required for optimal results.

Immunogen

A recombinant protein fragment from human ICAD was used as the immunogen for this antibody.

Storage

Aliquot the antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Inhibitor of CAD, DFF45, DFFA