Datasheet for ABIN499958

anti-DFFA antibody (C-Term)

1 Image

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Overview

Quantity:	0.1 mg
Target:	DFFA
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Mouse ICAD (C-Terminus) Peptide
Isotype:	IgG
Specificity:	ICAD antibody was raised against a peptide corresponding to amino acids 312 to 331 of mouse ICAD .
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	DFFA
Alternative Name:	DFFA / ICAD (DFFA Products)
Background:	Apoptosis is related to many diseases and induced by a family of cell death receptors and their

Target Details

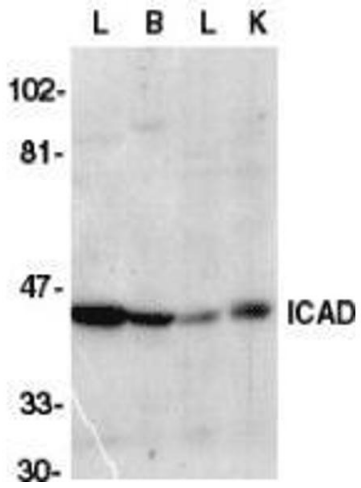
	ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase. A human DNA fragmentation factor (DFF) was identified recently which was cleaved by caspase-3 during apoptosis. Mouse homologue of human DFF was identified as a DNase inhibitor designated ICAD, for 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 the nuclei. Therefore, the cleavage of CAD inhibitor molecule DFF/ICAD, which causes DNase activation and DNA degradation, is the hallmark of apoptotic cell death.Synonyms: DFF-45, DFF1, DFF45, DNA fragmentation factor 45 kDa subunit, DNA fragmentation factor subunit alpha, Inhibitor of CAD
Gene ID:	13347
UniProt:	O54786
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	ELISA. Western Blot: 1/500 to 1/2000. A 45 kDa band can be detected. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of ICAD in mouse lung (L), brain (B), liver (L), and kidney tissue lysate with AP30399PU-N CAD antibody at 1/1000 dilution.