Datasheet for ABIN1886867

anti-DFFA antibody (AA 312-331)

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Overview

Quantity:	100 µL
Target:	DFFA
Binding Specificity:	AA 312-331
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide corresponding to amino acids 312 to 331 of mouse ICAD.
Purification:	Affinity chromatography purified via peptide column

Target Details

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

Target Details

	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: DFF45
Molecular Weight:	45 kDa
UniProt:	O54786
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Avoid freezing and thawing repeatly.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C for short term use.Store at -20 °C for long term preservation.