Datasheet for ABIN6990268

anti-CAD antibody (AA 190-240)

Go to Product page

Overview

Quantity:	0.1 mg
Target:	CAD
Binding Specificity:	AA 190-240
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAD antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	CAD antibody was raised against a peptide corresponding to 17 amino acids near the center of murine CAD. The immunogen is located within amino acids 190 - 240 of CAD.
Isotype:	IgG
Purification:	CAD Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CAD
Alternative Name:	CAD (CAD Products)
Background:	CAD Antibody: 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

Target Details

	adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase. A mouse DNase that causes DNA fragmentation was identified recently and designated CAD (for caspase activated deoxyribonuclease). The human homologue of mouse CAD was more recently identified by two groups independently and termed CPAN and DFF40. Human DFF45 and its mouse homologue ICAD are the inhibitors of CPAN/DFF40 and CAD, respectively. Upon cleavage of DFF45/ICAD by activated caspase, DFF40/CAD is released and activated and eventually causes the degradation of DNA in the nuclei. Activation of CAD/DFF40, which causes DNA degradation, is the hallmark of apoptotic cell death.
Molecular Weight:	40 kDa
Gene ID:	13368
UniProt:	O54788
Pathways:	Production of Molecular Mediator of Immune Response, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	CAD antibody can be used for detection of CAD by Western blot at 2 µ,g/mL. A 40 kDa band should be detected. Antibody can also be used for immunohistochemistry starting at 5 µ,g/mL. For immunofluorescence start at 5 µ,g/mL. Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CAD Antibody is supplied in 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:	-20 °C,4 °C

Handling

Storage Comment:	CAD antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.