

Rabbit anti-Mouse, Rat CAD Polyclonal Antibody | anti-CAD antibody

CAD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306379	Rabbit	Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

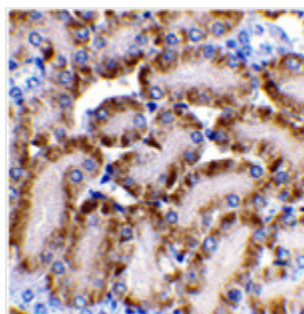
PRODUCT SYNONYMS

CAD; Polyclonal Antibody; CAD Antibody; DFF40 (I17); anti-CAD antibody

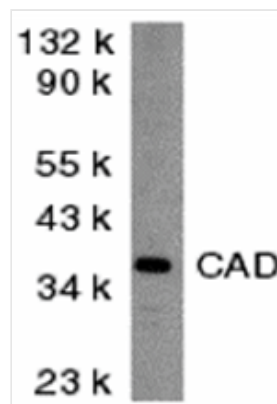
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	344
Applicable Applications for anti-CAD antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 17 amino acids near the center of murine CAD.
Target Name	CAD
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of CAD in mouse kidney tissue with CAD antibody at 2 ug/mL.


WB (Western Blot)

Western blot analysis of CAD in mouse kidney tissue lysate with CAD antibody at 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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 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.
Product Categories/Family for anti-CAD antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	160948620
NCBI GeneID	13368
NCBI Accession #	NP_031885.3
NCBI GenBank Nucleotide #	NM_007859.4
UniProt Accession #	O54788
Molecular Weight	39,449 Da
NCBI Official Full Name	DNA fragmentation factor subunit beta
NCBI Official Synonym Full Names	DNA fragmentation factor, beta subunit
NCBI Official Symbol	Dffb
NCBI Official Synonym Symbols	CAD; CPAN; 40kDa; DFF40; Didff; 5730477D02Rik
NCBI Protein Information	DNA fragmentation factor subunit beta
UniProt Protein Name	DNA fragmentation factor subunit beta
UniProt Gene Name	Dffb
UniProt Synonym Gene Names	Cad; CAD; Caspase-activated DNase; DFF-40
UniProt Entry Name	DFFB_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cad-antibody-immunohistochemistry-western-blot-elisa/306379>