

DFF40 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10037**Specification**

DFF40 Antibody - Product Information

Application	WB
Primary Accession	O54788
Other Accession	AAH53052
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39449

DFF40 Antibody - Additional Information**Gene ID** 13368**Application & Usage**

Western blotting (0.5-4 µg/ml) and Immunohistochemistry (2-8 µg/ml). However, the optimal conditions should be determined individually. The antibody detects a 43 kDa DFF40/CAD of human, mouse and rat origins. Mouse kidney tissue lysate can be used as a positive control.

Other Names

DFFB, CAD, DFF-40 , CPAN , DFF2

Target/Specificity

DFF40

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) immunoaffinity purified rabbit DFF40 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

DFF40 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DFF40 Antibody - Protein Information

Name Dffb

Synonyms Cad

Function

Nuclease that induces DNA fragmentation and chromatin condensation during apoptosis. Degrades naked DNA and induces apoptotic morphology.

Cellular Location

Cytoplasm. Nucleus.

DFF40 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DFF40 Antibody - Images**DFF40 Antibody - Background**

DFF is composed of two subunits: DFF40/CAD and DFF45/ICAD. Human DFF45 and its mouse homologue ICAD are the inhibitors of DFF40 and CAD, respectively. Cleavage of DFF45, which is mediated by caspase-3, leads to DFF40's activation as a nuclease. Activation of DFF40/CAD can lead to DNA fragmentation, a hallmark of apoptosis. DFF40 mRNA is expressed in limited number of human tissues: pancreas, spleen, prostate, and ovary.