

## Rabbit DFF40 Polyclonal Antibody | anti-DFF40 antibody

DFF40 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                             |
|-----------|--------|-------------------|------------------------------------------|
| AAA305983 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Western Blot, ELISA |

### PRODUCT SYNONYMS

DFF40; Polyclonal Antibody; DFF40 Antibody; CAD (I18); anti-DFF40 antibody

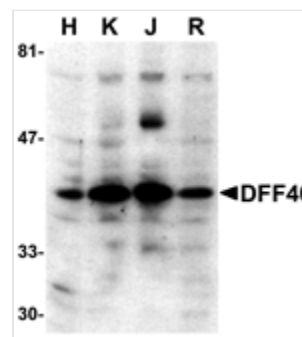
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                 |
| Reactivity                                      | Human, 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-DFF40 antibody | ICC (Immunocytochemistry), WB (Western Blot), ELISA                                                                                                                                                    |
| Immunogen Type                                  | Peptide                                                                                                                                                                                                |
| Immunogen Description                           | Raised against a peptide corresponding to amino acids near the center of murine CAD. The sequence differs from human DFF40 by two amino acids.                                                         |
| Target Name                                     | DFF40                                                                                                                                                                                                  |
| 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


**ICC (Immunocytochemistry)**

Immunocytochemistry of DFF40 in Jurkat cells with DFF40 antibody at 5 ug/mL.


**WB (Western Blot)**

Western blot analysis of DFF40 in HeLa (H), K562 (K), Jurkat (J), and Raji (R) whole cell lysate with DFF40 antibody (I18) at 1:500 dilution.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DFF40 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 three groups independently and termed CPAN, DFF40, and human CAD, respectively. DFF45/ICAD is the inhibitory protein of DFF40/CAD and forms complex with DFF40/CAD. 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 DFF40/CAD, which causes DNA degradation, is the hallmark of apoptotic cell death. |
| Product Categories/Family for anti-DFF40 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 160948620                                     |
| NCBI GeneID                      | 13368                                         |
| NCBI Accession #                 | NP_031885                                     |
| NCBI GenBank Nucleotide #        | NM_007859.4                                   |
| 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             | Dfffb                                         |
| 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                | Dfffb                                         |
| 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://stage.aaabiotech.com/polyclonal/dff40-antibody-immunocytochemistry-western-blot-elisa/305983>