

DNAxPAb

Hard-to-Find  
Antibody

# DFFB DNAxPab

Catalog # H00001677-W01P

Size 200 ug

## Specification

**Product Description** Rabbit polyclonal antibody raised against a full-length human DFFB DNA using DNAx™ Immune technology.

**Technology** [DNAx™ Immune](#)

**Immunogen** Full-length human DNA

**Sequence** MLQKPKSVKLRALRSPRKFGVAGRSCQEVLRKGCLRFQLPERGSRLCLYEDGTELTEDYFPSVP  
DNAELVLLTLGQAWQGYVSDIRRFLSAFHEPQVGLIQAAQQLLCDEQAPQRQRLLADLLHNVSQN  
IAETRAEDPPWFEGLESRFQSKSGYLRYSCESRIRSYLREVSSYPSTVGAEAEQEEFLRVLGSMC  
QRLRSMQYNGSYFDRGAKGGSRLCTPEGWFSCQGPFDMDSCLSRHSINPYSNRESRILFSTWNL  
DHIIKKRTIIPTLVEAIKEQDGREVDWEYFYGLLFTSENKLVHIVCHKKTTHKLNCDPSRIYKPQTR  
LKRKQPVRKRQ

**Host** Rabbit

**Reactivity** Human

**Purification** Protein A

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer** In 1x PBS, pH 7.4

**Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — DFFB

Entrez GeneID	<a href="#">1677</a>
GeneBank Accession#	<a href="#">NM_004402.2</a>
Protein Accession#	<a href="#">NP_004393.1</a>
Gene Name	DFFB
Gene Alias	CAD, CPAN, DFF-40, DFF2, DFF40
Gene Description	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)
Omim ID	<a href="#">601883</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene but the biological validity of these variants has not been determined. [provided by RefSeq]
Other Designations	DNA fragmentation factor, 40 kD, beta polypeptide DNA fragmentation factor, 40 kD, beta polypeptide (caspase-activated DNase) DNA fragmentation factor, 40 kD, beta subunit OTTHUMP00000003633 caspase-activated deoxyribonuclease caspase-activated nuclease

## Pathway

- [Apoptosis](#)