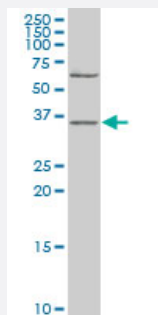


DFFB polyclonal antibody (A01)

Catalog # H00001677-A01

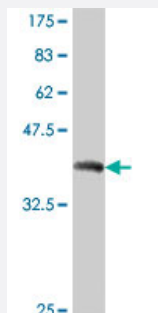
Size 50 uL

Applications



Western Blot (Cell lysate)

DFFB polyclonal antibody (A01), Lot # 050928JC01. Western Blot analysis of DFFB expression in Daoy.



Western Blot detection against Immunogen (38.21 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant DFFB.
Immunogen	DFFB (NP_004393, 229 a.a. ~ 338 a.a) partial recombinant protein with GST tag.
Sequence	PFDMDSCLSRHSINPYSNRESRILFSTWNLDHIIKKRTIIPTLVEAIKEQDGREVDWEYFYGLLFTSE NLKLVHIVCHKKTTHKLNCDPSRIYKPQTRLKRKQPVRKRQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (84)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (38.21 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

DFFB polyclonal antibody (A01), Lot # 050928JC01. Western Blot analysis of DFFB expression in Daoy.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DFFB

Entrez GeneID

[1677](#)

GeneBank Accession#

[NM_004402](#)

Protein Accession#

[NP_004393](#)

Gene Name

DFFB

Gene Alias

CAD, CPAN, DFF-40, DFF2, DFF40

Gene Description

DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)

Omim ID

[601883](#)

Gene Ontology

[Hyperlink](#)

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](#)