

## Product datasheet for **TA322750S**

### DFFB Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 146-160 amino acids of human DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	DNA fragmentation factor subunit beta
Database Link:	<a href="#">NP_004393</a> <a href="#">Entrez Gene 13368 Mouse</a> <a href="#">Entrez Gene 84359 Rat</a> <a href="#">Entrez Gene 1677 Human</a> <a href="#">O76075</a>



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**Background:**

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.

**Synonyms:**

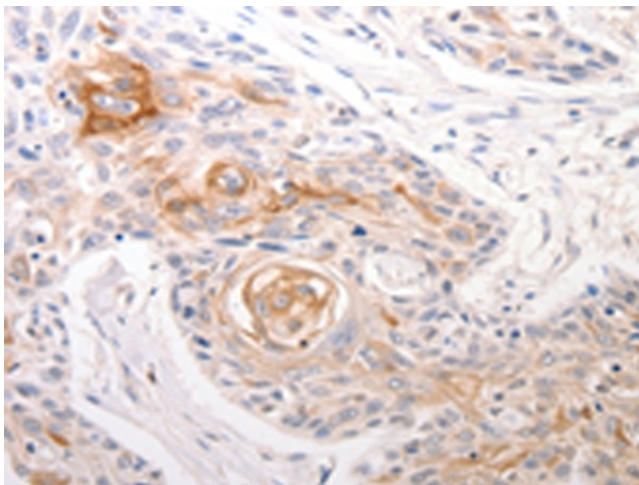
CAD; CPAN; DFF-40; DFF2; DFF40

**Protein Families:**

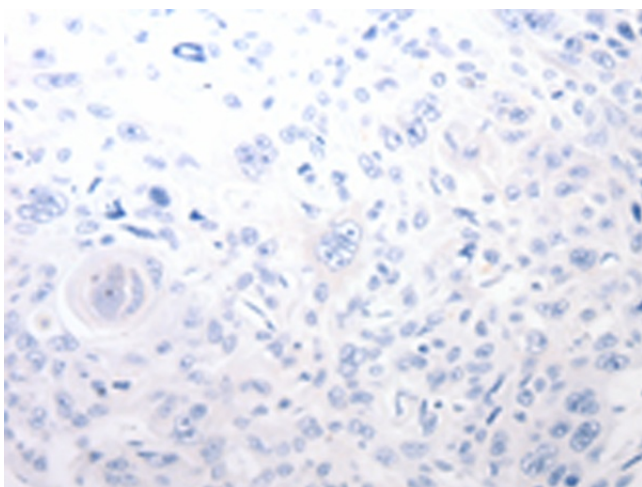
Druggable Genome

**Protein Pathways:**

Apoptosis

**Product images:**

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA322750] (DFFB Antibody) at dilution 1/30 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA322750] (DFFB Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification:  $\times 200$ )