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[Marker Primary Antibody]

Rabbit Anti-DFFB/FITC Conjugated antibody

Catalog Number: SL0043R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-DFFB/FITC
Immunogen:	KLH conjugated synthetic peptide derived from mouse DFF-40 beta (201-260aa)
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Rabbit,GuineaPig)
Background:	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. [provided by RefSeq, Jul 2008]. **Function:** Nuclease that induces DNA fragmentation and chromatin

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	condensation during apoptosis. Degrades naked DNA and induces apoptotic morphology. **Subunit:** Heterodimer of DFFA and DFFB **Subcellular Location:** Cytoplasm. Nucleus. **Similarity:** Contains 1 CIDE-N domain. **Database links:** **Entrez Gene:** 1677 Human **Entrez Gene:** 13368 Mouse **Entrez Gene:** 84359 Rat Omim: 601883 Human **SwissProt:** O76075 Human **SwissProt:** O54788 Mouse **SwissProt:** Q99N34 Rat **Unigene:** 133089 Human **Unigene:** 388918 Mouse **Unigene:** 67077 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.