

## DFFA polyclonal antibody

Catalog: BS60819

Host: Rabbit

Reactivity: Human, Rat

### BackGround:

The CED/ICE family of cysteine proteases plays a pivotal role in mediating apoptosis through the proteolysis of specific targets. Among the targets are poly (ADP-ribose) polymerase (PARP), gelsolin, DFF-45/ICAD and the nuclear lamins. PARP is a nuclear protein that is specifically cleaved by CPP32 and Mch2, but not by ICE, into a signature apoptotic fragment. Gelsolin is cleaved by CPP32 to an active form that severs actin filaments in a Ca<sup>++</sup>-independent manner. In addition to binding actin, gelsolin can form complexes with fibronectin, which may be important for localizing gelsolin to inflammatory sites. DFF-45/ICAD, the subunit of DNA fragmentation factor, is cleaved by CPP32 to generate an active factor that induces DNA fragmentation. The nuclear Lamin A is cleaved by Mch2, but not CPP32. Nuclear Lamin B is fragmented as a consequence of apoptosis by an unidentified member of the ICE family.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 12 kDa

### Swiss-Prot:

O00273

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:203

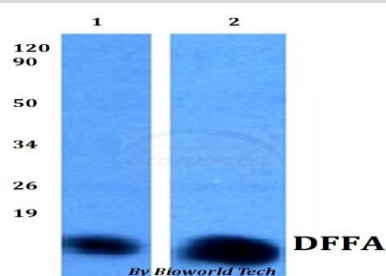
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -23 °C long term. Avoid freeze-thaw cycles.

### Specificity:

DFFA polyclonal antibody detects endogenous levels of DFFA protein.

### DATA:



Western blot (WB) analysis of DFFA polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:H9C2 whole cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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