

Cleaved-DFF45 (D224) polyclonal antibody

Catalog: BCP00518

Host: Rabbit

Reactivity: Human, Mouse, 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 (ADphospho-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 Ca²⁺-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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 35, 45 kDa

Swiss-Prot:

O00273

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

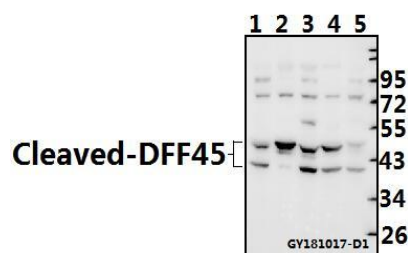
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Cleaved-DFF45 (D224) polyclonal antibody detects endogenous levels of Cleaved-DFF45 (D224) protein.

DATA:



Western blot (WB) analysis of Cleaved-DFF45 (D224) polyclonal antibody at 1:500 dilution

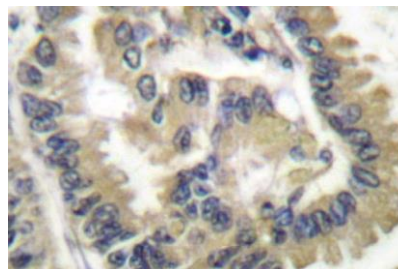
Lane1:HCT116 whole cell lysate(40ug)

Lane2:LOVO whole cell lysate(40ug)

Lane3:CT26 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:EC9706 whole cell lysate(40ug)



Note:

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