

Lamin A (D230) polyclonal antibody

Catalog: BS7013

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

A unique family of cysteine proteases has been described that differs in sequence, structure and substrate specificity from any previously described protease family. This family, termed Ced-3/ICE, is comprised of ICE, CPP32, ICH-1/Nedd-2, Tx, Mch2, Mch3 (ICE-LAP3 or CMH-1), Mch4 and ICE-LAP6. Ced-3/ICE family members function as key components of the apoptotic machinery and act to destroy specific target proteins which are critical to cellular longevity. Nuclear lamins are critical to maintaining the integrity of the nuclear envelope and cellular morphology. 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. Lamin C is a splice variant of Lamin A, differing only at the carboxy-terminus. Lamins A and C are identical for the first 566 amino acids, with Lamin C differing only in 6 unique carboxy-terminal amino acids.

Product:

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

Molecular Weight:

~ 74 kDa

Swiss-Prot:

P02545

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

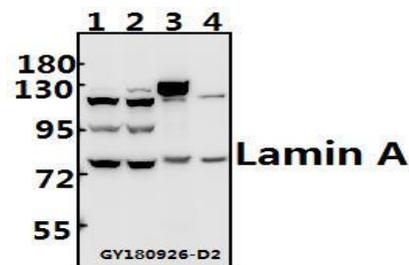
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Lamin A (D230) polyclonal antibody detects endogenous levels of Lamin A protein.

DATA:



Western blot (WB) analysis of Cleaved-Lamin A (D230) polyclonal antibody at 1:500 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

Lane3:The Lung tissue lysate of Mouse(40ug)

Lane4:The Spleen tissue lysate of Rat(40ug)

Note:

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

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