BCL2A1 polyclonal antibody

Catalog: BCP00273 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

The Bcl-2-related protein A1 (Bfl-1, BCL2A1) is an anti-apoptotic member of the Bcl-2 family originally cloned from mouse bone marrow as a granulocyte macrophage-colony stimulating factor (GM-CSF)-inducible gene. Expression of A1/Bfl-1 is primarily restricted to hematopoietic cells, although it has been detected in some non-hematopoietic tissues including lung and in endothelial cells. A1/Bfl-1 protein is rapidly induced by NF-κB and is elevated in response to a variety of factors that stimulate this pathway, including TNF-α and IL-1β, CD40, phorbol ester, and LPS. As with other Bcl-2 family proteins, A1/Bfl-1 functions by binding and antagonizing pro-apoptotic members of the family (Bid, Bim), which inhibits release of mitochondrial cytochrome c. In contrast, research studies indicate that the enzyme calpain cleaves A1/Bfl-1 at specific sites within the amino-terminal region, creating pro-apoptotic, carboxy-terminal fragments that promote mitochondrial release of cytochrome c and apoptosis. Studies suggest a possible therapeutic strategy of targeting apoptosis through use of the specific A1/Bfl-1 cleavage fragments.

Product:

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

Molecular Weight:

~ 18 kDa

Swiss-Prot:

Q16548

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: 1:1000~1:2000

Storage&Stability:

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

Specificity:

BCL2A1 polyclonal antibody detects endogenous levels of BCL2A1 protein.

DATA:

Western blot (WB) analysis of BCL2A1 polyclonal antibody at 1:1000 dilution

Lane1:PC3 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

Lane3:CT-26 whole cell lysate(40ug)

Lane4:PMVEC whole cell lysate(40ug)

Note:

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

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.