

Product datasheet for **TA392522S**

BCL2A1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000~1:2000
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human BCL2A1.
Specificity:	BCL2A1 polyclonal antibody detects endogenous levels of BCL2A1 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 18 kDa
Gene Name:	BCL2 related protein A1
Database Link:	Entrez Gene 597 Human Q16548



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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- κ B and is elevated in response to a variety of factors that stimulate this pathway, including TNF- α and IL-1 β , 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.

Synonyms:

Bcl-2-like protein 5; Bcl-2-related protein A1; Bcl2-L-5; BCL2A1; BFL1; CL2L5; GRS; HBPA1; Hemopoietic-specific early response protein; Protein BFL-1; Protein GRS

Note:

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