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BCLAF1 Antibody

Catalog # ASC11960

Product Information

Application	WB, IHC, E
Primary Accession	Q9NYF8
Other Accession	NP_055554, 7661958
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	106122
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	BCLAF1 antibody can be used for detection of BCLAF1 by Western blot at 0.5 - 1 g/ml. Antibody can also be used for immunohistochemistry starting at 5 g/mL.

Additional Information

Gene ID	9774
Other Names	Bcl-2-associated transcription factor 1, Btf, BCLAF1, BTF, KIAA0164
Target/Specificity	BCLAF1; BCLAF1 antibody is human, mouse and rat reactive. At least four isoforms of BCLAF1 are known to exist; this antibody will detect all but isoform 2.
Reconstitution & Storage	BCLAF1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.
Precautions	BCLAF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BCLAF1
Synonyms	BTF, KIAA0164
Function	Death-promoting transcriptional repressor. May be involved in cyclin-D1/CCND1 mRNA stability through the SNARP complex which associates with both the 3'end of the CCND1 gene and its mRNA.
Cellular Location	Cytoplasm. Nucleus. Nucleus speckle. Nucleus, nucleoplasm
Tissue Location	Ubiquitous.

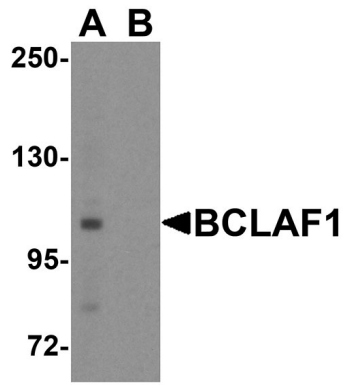
Background

The BCL2-associated transcription factor 1 (BCLAF1) is a transcriptional repressor that interacts with several members of the BCL2 family of proteins. Overexpression of this protein induces apoptosis, which can be suppressed by co-expression of BCL2 proteins (1). BCLAF1 localizes to dot-like structures throughout the nucleus, and redistributes to a zone near the nuclear envelope in cells undergoing apoptosis. (2). More recent studies have suggested BCLAF1 plays roles in processes not associated with actions of the BCL2 family members, including lung development, T cell activation, and post-transcriptional processes that affect mRNA metabolism (3).

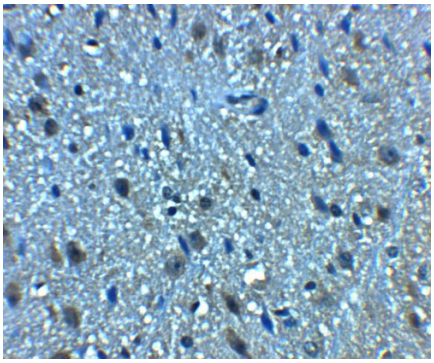
References

Kasof GM, Goyal L, and White E. Btf, a novel death-promoting transcriptional repressor that interacts with Bcl-2-related proteins. Mol. Cell Biol. 1999; 19:4390-404.
Haraguchi T, holaska JM, Yamana M, et al. Emerin binding to Btf, a death-promoting transcriptional repressor, is disrupted by a missense mutation that causes Emery-Dreifuss muscular dystrophy. Eur. J. Biochem. 2004; 271:1035-45.
Sarras H, Azami SA, and McPherson JP. In search of a function for BCLAF1. The Scientific World Journal 2010; 10:1450-61.

Images



Western blot analysis of BCLAF1 in human brain tissue lysate with BCLAF1 antibody at 1 µg/ml.



Immunohistochemistry of BCLAF1 in mouse brain tissue with BCLAF1 antibody at 5 µg/mL.