

Product Name: KD-Validated BCLAF1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00006**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 106.1kDa

Antigen Information

Gene Name	BCLAF1 BCLAF1; BCL2 Associated Transcription Factor 1; BTF; BCLAF1 And THRAP3 Family Member 1;
Alternative Names	KIAA0164; Bcl-2-Associated Transcription Factor 1; BCL2-Associated Transcription Factor 1; BK211L9.1; Btf
Gene ID	9774.0
SwissProt ID	Q9NYF8
Immunogen	A synthesized peptide derived from human BTF

Background

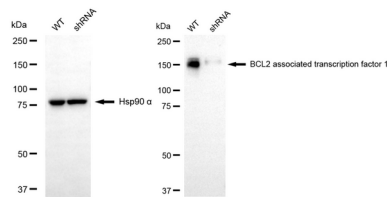
This gene encodes a transcriptional repressor that interacts with several members of the BCL2 family of proteins. Overexpression of this protein induces apoptosis, which can be suppressed by co-expression of BCL2 proteins. The protein

localizes to dot-like structures throughout the nucleus, and redistributes to a zone near the nuclear envelope in cells undergoing apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

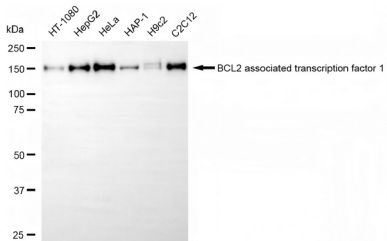
Research Area

Cell Biology, Epigenetics and Nuclear Signaling

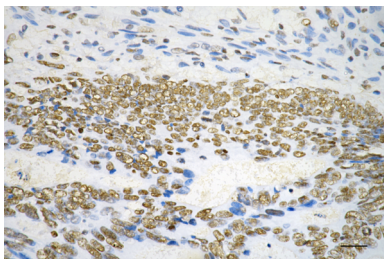
Image Data



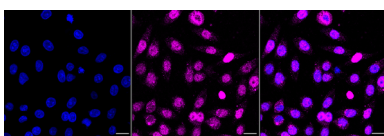
Western blotting analysis using BCL2 associated transcription factor 1 antibody (KVA000006). BCL2 associated transcription factor 1 expression in wild type (WT) and BCL2 associated transcription factor 1 (BCLAF1) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BCL2 associated transcription factor 1 antibody (KVA000006, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



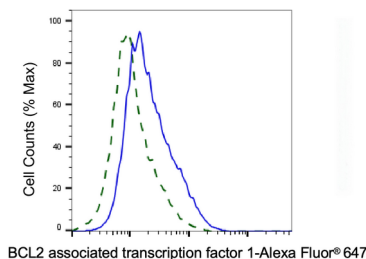
Western blotting analysis using BCL2 associated transcription factor 1 antibody (KVA000006). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BCL2 associated transcription factor 1 antibody (KVA000006, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



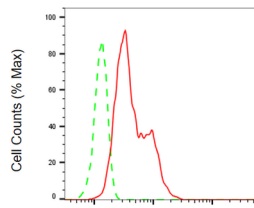
Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using BCL2 associated transcription factor 1 antibody (KVA000006, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with BCL2 associated transcription factor 1 antibody (KVA000006, 1:1,000). Nuclei were stained blue with DAPI; BCL2 associated transcription factor 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of BCL2 associated transcription factor 1 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with BCL2 associated transcription factor 1 antibody (KVA000006, 1:2,000) and analyzed using BD flow cytometer.



BCL2 associated transcription factor 1-Alexa Fluor® 647

Flow cytometric analysis of BCL2 associated transcription factor 1 expression in HepG2 cells using BCL2 associated transcription factor 1 antibody (KVA00006, 1:2,000). Green, isotype control; red, BCL2 associated transcription factor 1.