

Product Name: KO-Validated BNIP3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00061**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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
Molecular Weight	Calculated MW: 27.8kDa

Antigen Information

Gene Name	BNIP3
Alternative Names	BNIP3; BCL2 Interacting Protein 3; HABON; Nip3; BCL2/Adenovirus E1B 19 KDa Protein-Interacting Protein 3; Hypoxia-Activated BNIP3 Overlapping Non-Coding RNA; BCL2/Adenovirus E1B 19kDa Interacting Protein 3; Nineteen KD Interacting Protein-3; BCL2/Adenovirus E1B Interacting Protein 3; NIP3
Gene ID	664.0
SwissProt ID	Q12983
Immunogen	A synthesized peptide derived from human BNIP3

Background

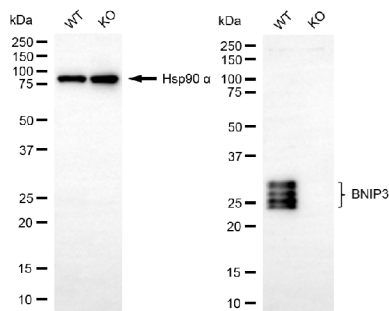
This gene encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded

protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in tumors by DNA methylation. [provided by RefSeq, Dec 2014]

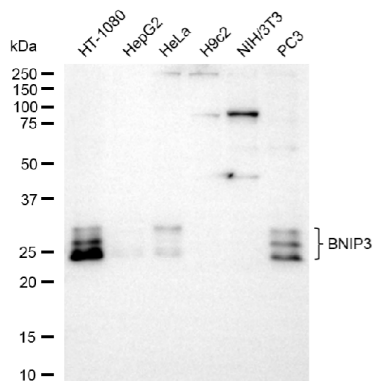
Research Area

Cell Biology, Microbiology, Cardiovascular, Cancer, Metabolism

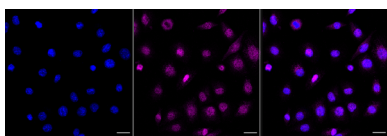
Image Data



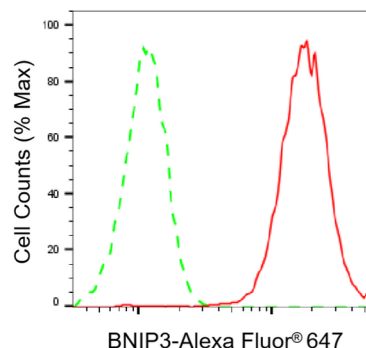
Western blotting analysis using BNIP3 antibody (KVA00061). BNIP3 expression in wild-type (WT) and BNIP3 knockout (KO) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BNIP3 antibody (KVA00061, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using BNIP3 antibody (KVA00061). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BNIP3 antibody (KVA00061, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with BNIP3 antibody (KVA00061, 1:1,000). Nuclei were stained blue with DAPI; BNIP3 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.



Flow cytometric analysis of BNIP3 expression in C2C12 cells using BNIP3 antibody (KVA00061, 1:2,000). Green, isotype control; red, BNIP3.