ARG58313
anti-Bik antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Bik
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Bik
Species	Human
Immunogen	Human Bik recombinant protein (Position: M1-R123). Human Bik shares 42.3% amino acid (aa) sequence identity with Mouse Bik.
Conjugation	Un-conjugated
Alternate Names	NBK; Bcl-2-interacting killer; BIP1; Apoptosis inducer NBK; BP4

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	0.5 - 1 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note: IHC-P: Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

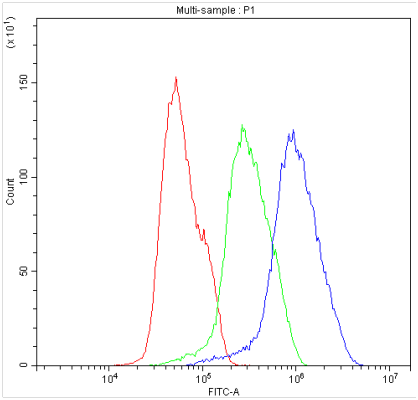
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

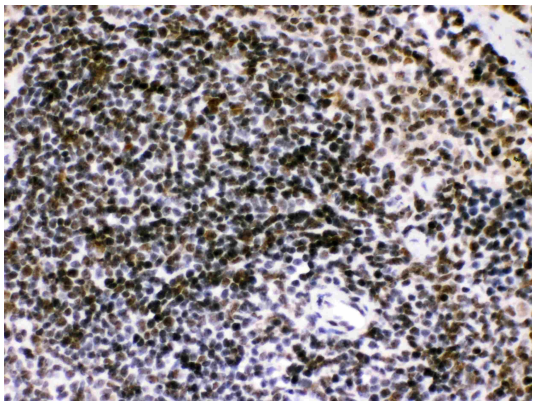
Gene Symbol	BIK
Gene Full Name	BCL2-interacting killer (apoptosis-inducing)
Background	The protein encoded by this gene shares a critical BH3 domain with other death-promoting proteins, such as BID, BAK, BAD and BAX, that is required for its pro-apoptotic activity, and for interaction with anti-apoptotic members of the BCL2 family, and viral survival-promoting proteins. Since the activity of this protein is suppressed in the presence of survival-promoting proteins, it is suggested as a likely target for anti-apoptotic proteins. [provided by RefSeq, Sep 2011]
Function	Accelerates programmed cell death. Association to the apoptosis repressors Bcl-X(L), BHRF1, Bcl-2 or its adenovirus homolog E1B 19k protein suppresses this death-promoting activity. Does not interact with BAX. [UniProt]
Calculated Mw	18 kDa
PTM	Proteolytically cleaved by RHBDL4/RHBDD1. RHBDL4/RHBDD1-induced cleavage is a necessary step prior its degradation by the proteosome-dependent mechanism. [UniProt]
Cellular Localization	Endomembrane system; Single-pass membrane protein. Mitochondrion membrane; Single-pass membrane protein. Around the nuclear envelope, and in cytoplasmic membranes. [UniProt]

Images



ARG58313 anti-Bik antibody FACS image

Flow Cytometry: MCF-7 cells were blocked with 10% normal goat serum, and then stained with ARG58313 anti-Bik antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.

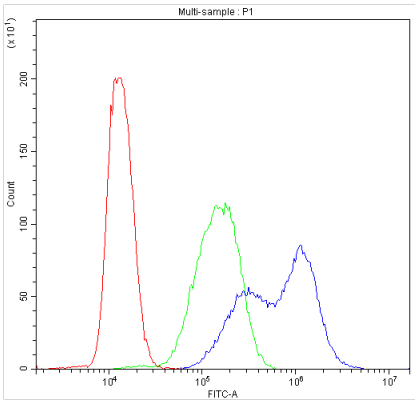


ARG58313 anti-Bik antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse spleen tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58313 anti-Bik antibody at 1 µg/ml dilution, overnight at 4°C.

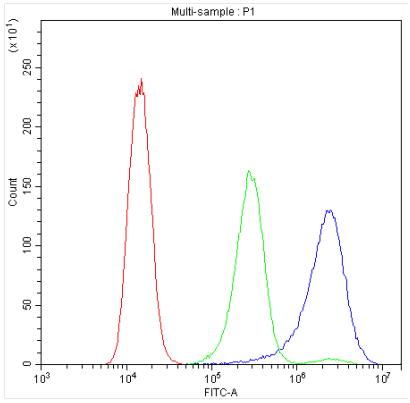
ARG58313 anti-Bik antibody WB image

Western blot: 50 µg of Rat spleen, Rat stomach, Rat intestine, MCF-7 whole cell lysate, A549 whole cell lysate and SKOV whole cell lysate stained with ARG58313 anti-Bik antibody at 0.5 µg/ml, overnight at 4°C, under reducing conditions.



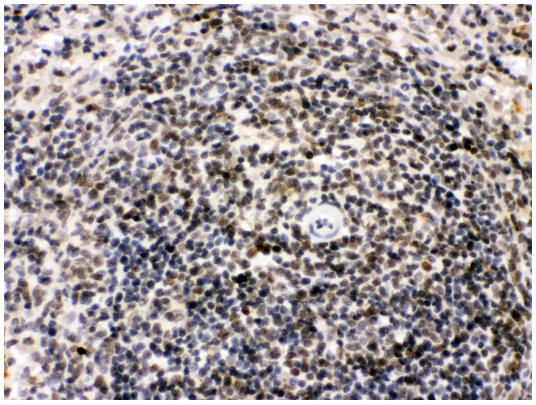
ARG58313 anti-Bik antibody FACS image

Flow Cytometry: THP-1 cells were blocked with 10% normal goat serum, and then stained with ARG58313 anti-Bik antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



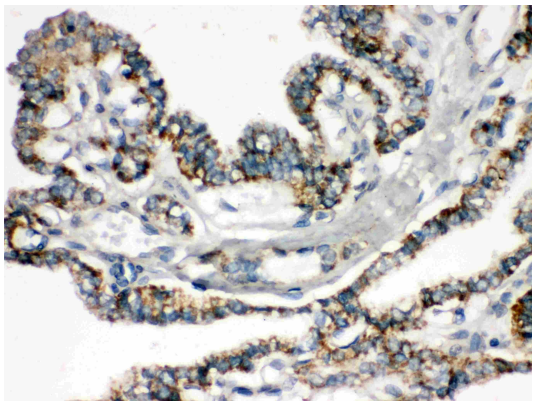
ARG58313 anti-Bik antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum, and then stained with ARG58313 anti-Bik antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG58313 anti-Bik antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spleen tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58313 anti-Bik antibody at 1 µg/ml dilution, overnight at 4°C.



ARG58313 anti-Bik antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58313 anti-Bik antibody at 1 µg/ml dilution, overnight at 4°C.