

Product Datasheet

Bax Antibody (SPM336)

NBP2-32809-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-32809-0.1mg

Bax Antibody (SPM336)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM336
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	21 kDa

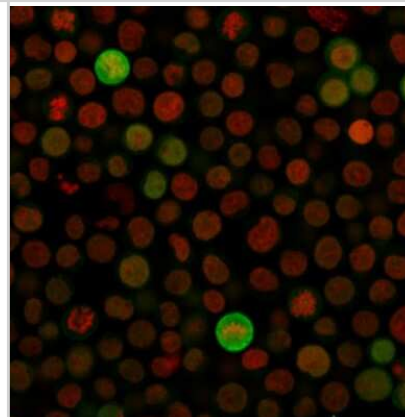
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34763) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	581
Gene Symbol	BAX
Species	Human, Monkey, Mouse (Negative)
Reactivity Notes	Does not react with Mouse.
Marker	Apoptosis Marker
Specificity/Sensitivity	Recognizes a protein of 21kDa, identified as the Bax protein. This monoclonal antibody is highly specific to Bax and shows no cross-reaction with Bcl-2 or Bcl-X protein. Bcl-2 blocks cell death following a variety of stimuli. Bax has extensive amino acid homology with Bcl-2 and it homodimerizes and forms heterodimers with Bcl-2. Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line, and Bax also counters the death repressor activity of Bcl-2.
Immunogen	A synthetic peptide, aa 3-16 (Cys-GSGEQPRGGGPTSS) of human bax protein. (Uniprot: Q07812)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 7.5-8.5, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

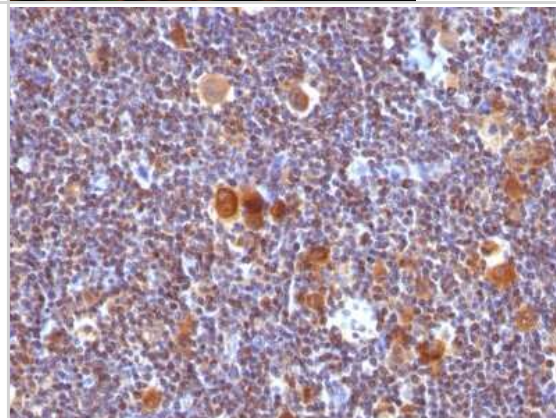


Images

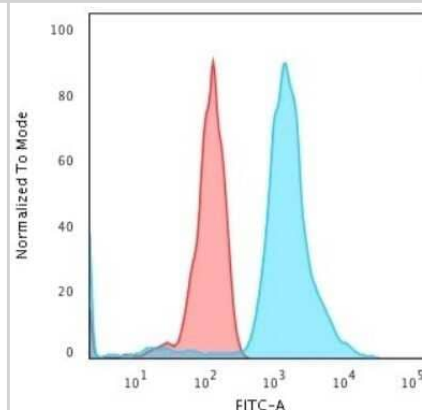
Immunocytochemistry/Immunofluorescence: Bax Antibody (SPM336) [NBP2-32809] - Immunofluorescence Analysis of Jurkat cells labeling BAX with Bax Antibody (SPM336) followed by Goat anti-Mouse IgG-CF488 (Green).The nuclear counterstain is NucSpot .



Immunohistochemistry-Paraffin: Bax Antibody (SPM336) [NBP2-32809] - Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with Bax Antibody (SPM336).



Flow Cytometry: Bax Antibody (SPM336) [NBP2-32809] - Flow Cytometric Analysis of human Jurkat cells using Bax Antibody (SPM336).followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Publications

Sevinc SK, Karadeniz M, Sen A et al. Apoptotic and antiproliferative effects of *Urtica dioica* L. extract on K562 chronic myeloid leukemia cell line Indian Journal of Experimental Biology 2023-11-01 (WB)

Kocyigit Sevinc S, Karadeniz M, Sen A et al. Biological Effects of *Urtica Dioica* Extract on K562 Chronic Myeloid Leukemia Cell Line SSRN Electronic Journal 2022-10-29 (WB, Human)

Xu W, Wang X, Tu Y et al. Tetrandrine and cepharanthine induce apoptosis through caspase cascade regulation, cell cycle arrest, MAPK activation and PI3K/Akt/mTOR signal modification in glucocorticoid resistant human leukemia Jurkat T cells Chem. Biol. Interact. 2019-06-28 [PMID: 31255635]

Sherif IO, Sabry D, Abdel-Aziz A, Sarhan OM. The role of mesenchymal stem cells in chemotherapy-induced gonadotoxicity. Stem Cell Res Ther 2018-07-18 [PMID: 30021657] (IF/IHC, Rat)

Mega Tiber P, Kocyigit Sevinc S, Kilinc O, Orun O Biological effects of whole *Z.Officinale* extract on chronic myeloid leukemia cell line K562. Gene. 2019-04-15 [PMID: 30684525] (WB, Human)

Details:

Citation using the Azide free version of this antibody.





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Products Related to NBP2-32809-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00000581-P01-10ug	Recombinant Human Bax GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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