Product Datasheet

XIAP Antibody
NB100-56183

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

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Reviews: 3 Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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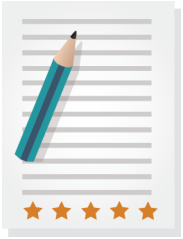
Updated 10/23/2024 v.20.1



NB100-56183

XIAP Antibody

Product Information

Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

Product Description

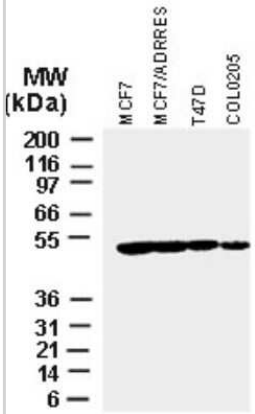
Host	Rabbit
Gene ID	331
Gene Symbol	XIAP
Species	Human, Mouse, Rat
Specificity/Sensitivity	The antibody recognizes epitopes in the BIR2 domain of XIAP. Therefore it can recognize full-length XIAP and XIAP cleavage fragments containing the BIR2 domain. However, XIAP cleavage fragments may be biologically unstable, and therefore cleavage fragments may be difficult to detect.
Immunogen	Recombinant BIR2 domain protein fragment of human XIAP was used as immunogen. The BIR2 domain used for immunogen corresponds to amino acids 163-230 of human XIAP (Deveraux et al, 1999).

Product Application Details

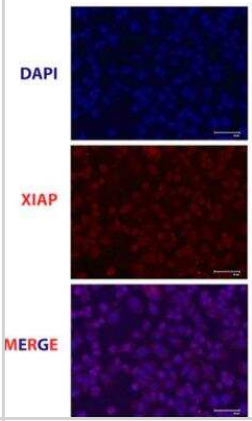
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 29391535), Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000
Application Notes	Although not tested this antibody may be useful in Immunohistochemistry-Frozen.

Images

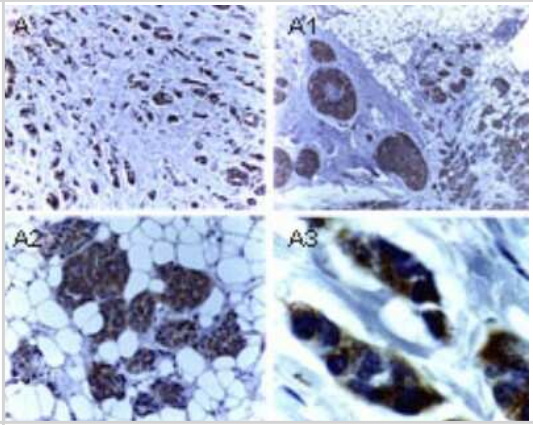
Western Blot: XIAP Antibody - Unpurified [NB100-56183] - Analysis of XIAP in various tumor cell lines using this antibody at 1:2000.



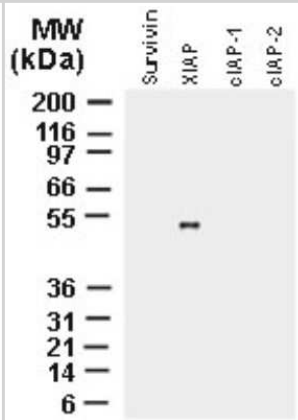
Immunocytochemistry/Immunofluorescence: XIAP Antibody [NB100-56183] - Immunocytochemistry for XIAP expression levels in IMR32 cells (Scale bar: 67 um). Image collected and cropped by CiteAb from the following publication (https://www.nature.com/articles/s41598-018-20499-7/figures/7) licensed under a CC-BY license.



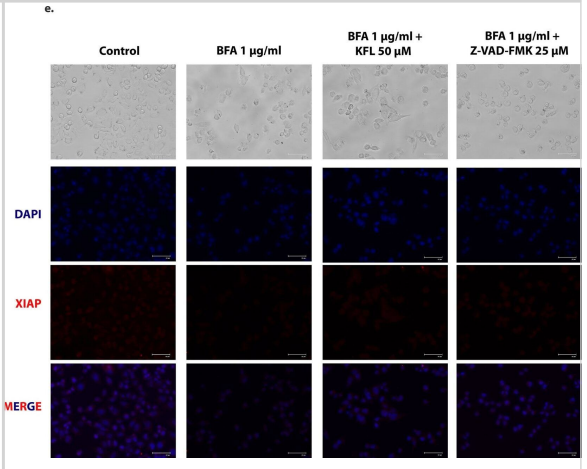
Immunohistochemistry-Paraffin: XIAP Antibody - Unpurified [NB100-56183] - Human breast carcinoma using this antibody at 1:2000. A-A3, successively higher magnifications of the breast carcinoma tissue section. Hematoxylin-eosin counterstain.



Western Blot: XIAP Antibody - Unpurified [NB100-56183] - XIAP Antibody [NB100-56183] - Analysis of recombinant full-length IAP proteins using this antibody to XIAP at 1:2000. The data shows that the antibody recognizes only XIAP and not the other IAP proteins.



Immunocytochemistry/ Immunofluorescence: XIAP Antibody [NB100-56183] - Kaempferol inhibits the activity of caspase-3 enzyme. (a & b) Caspase-3 inhibition by kaempferol was measured using recombinant caspase-3 (enzyme) & Z-DEVD-aminoluciferin (substrate) with respect to time (a) & concentration (b). Ac-DEVD-CHO served as a positive control. (c) Dose response curve for kaempferol inhibition on caspase-3 enzyme activity. (d) Analysis of the inhibitory potential of estrogen receptor modulators on caspase-3 enzyme activity. Withanaloide A served as (−) control & Ac-DEVE-CHO as (+) control. Data represented as mean ± SEM of two independent experiments performed in duplicate. (e) Immunocytochemistry for XIAP expression levels in IMR32 cells after 24 hours of incubation in respective conditions (Scale bar: 67 µm). Image collected & cropped by CiteAb from the following publication (https://www.nature.com/articles/s41598-018-20499-7), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Abdullah A, Ravanan P Kaempferol mitigates Endoplasmic Reticulum Stress Induced Cell Death by targeting caspase 3/7 Sci Rep. 2018-01-31 [PMID: 29391535] (ICC/IF, Human)

De Toni Enrico N, Ziesch Andreas, Rizzani Antonia et al. Inactivation of BRCA2 in human cancer cells identifies a subset of tumors with enhanced sensitivity towards death receptor-mediated apoptosis. Oncotarget 2016-01-01 [PMID: 26843614] (WB, Human)

Su YT, Chen R, Wang H et al. Novel Targeting of Transcription and Metabolism in Glioblastoma. Clin. Cancer Res. 2017-12-18 [PMID: 29254993] (Mouse)

Lee HI, Lee SW, Kim NG et al. Low-level light emitting diode (LED) therapy suppresses inflammasome-mediated brain damage in experimental ischemic stroke. J Biophotonics 2017-02-06 [PMID: 28164443] (WB, Mouse)

Lee J, Jiffar T, Kupferman ME. A novel role for BDNF-TrkB in the regulation of chemotherapy resistance in head and neck squamous cell carcinoma. PLoS One. 2012-01-01 [PMID: 22276165]

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Products Related to NB100-56183

NBL1-17905	XIAP Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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