

# Product Datasheet

## XIAP Antibody - BSA Free NB100-56183

Unit Size: 0.05 ml

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

[www.novusbio.com](http://www.novusbio.com)



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**NB100-56183**

XIAP Antibody - BSA Free

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

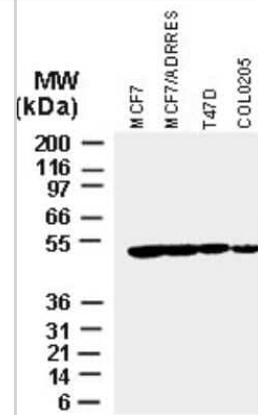
Product Description	
<b>Description</b>	Novus Biologicals Rabbit XIAP Antibody - BSA Free (NB100-56183) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-XIAP Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	331
<b>Gene Symbol</b>	XIAP
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	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	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	Although not tested this antibody may be useful in Immunohistochemistry-Frozen.

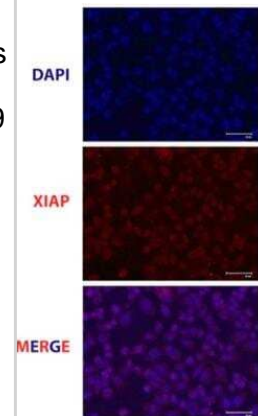


## Images

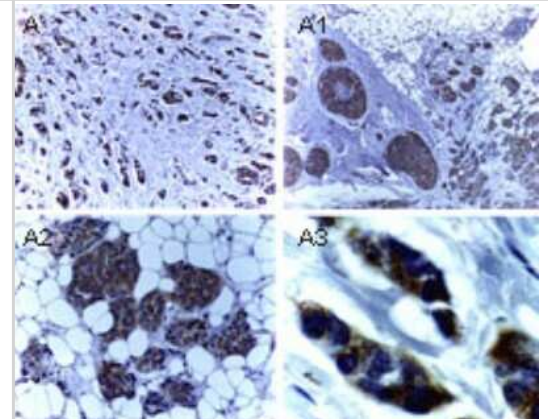
Western Blot: XIAP Antibody - Unpurified [NB100-56183] - Analysis of XIAP in various tumor cell lines using this antibody at 1:2000.



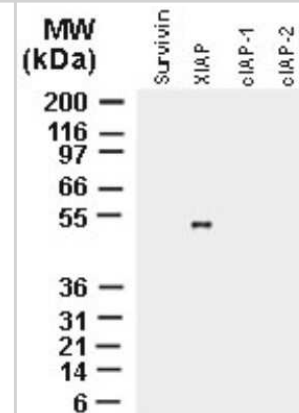
Immunocytochemistry/Immunofluorescence: XIAP Antibody [NB100-56183] - Immunocytochemistry for XIAP expression levels in IMR32 cells (Scale bar: 67 um). Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-018-20499-7/figures/7>) licensed under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



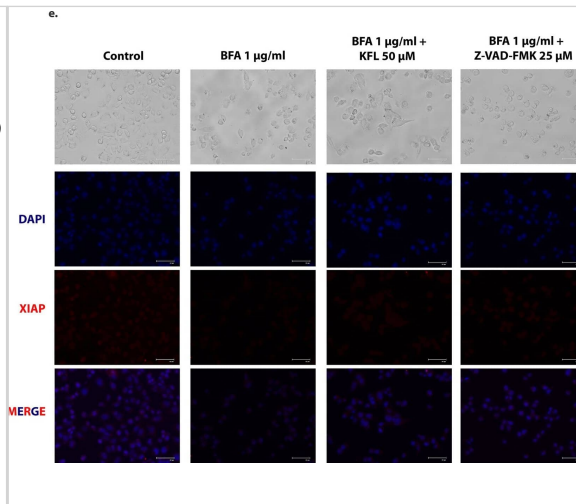
Immunohistochemistry-Paraffin: XIAP Antibody - Unpurified [NB100-56183] - Human breast carcinoma using this antibody at 1:2000. A-A3, successively higher magnifications of the breast carcinoma tissue section. Hematoxylin-eosin counterstain.



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. Withanaloid A served as (-) control & Ac-DEVE-CHO as (+) control. Data represented as mean  $\pm$  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  $\mu$ m). 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**

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NBL1-17905	XIAP Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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