

Product Datasheet

SMAC/Diablo Antibody - BSA Free NBP1-76772

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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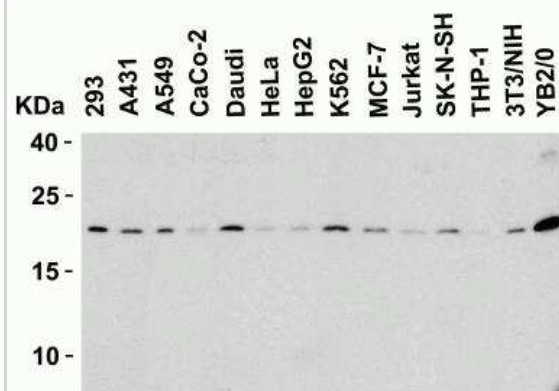
NBP1-76772

SMAC/Diablo Antibody - BSA Free

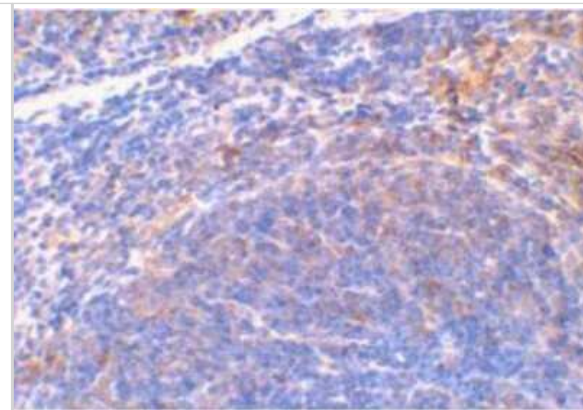
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Ion exchange chromatography
Buffer	PBS
Target Molecular Weight	20 kDa
Product Description	
Host	Rabbit
Gene ID	56616
Gene Symbol	DIABLO
Species	Human, Mouse, Rat
Immunogen	Antibody was raised against a 16 amino acid peptide near the carboxy terminus of murine Smac. The immunogen is located within the last 50 amino acids of Smac. Amino Acid Squence: SDEGADQEEEEAYLRED
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1 ug/mL, ELISA 1:100-1:2000, Immunohistochemistry 2 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunoprecipitation, Immunohistochemistry-Paraffin

Images

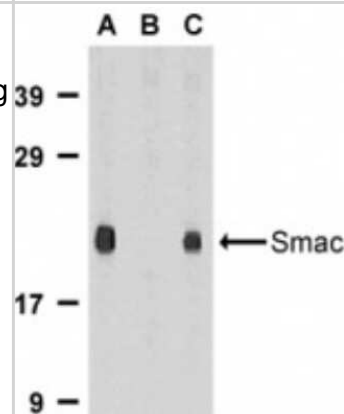
Western Blot: SMAC/Diablo Antibody [NBP1-76772] - Western Blot Validation in Human, Mouse and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: SMAC/Diablo NBP1-76772 (1 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



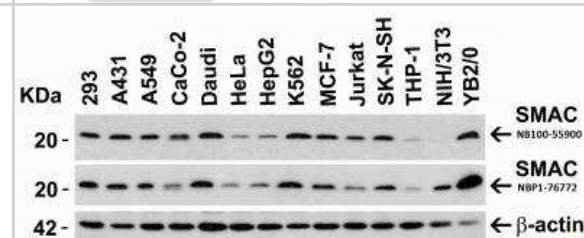
Immunohistochemistry-Paraffin: SMAC/Diablo Antibody [NBP1-76772] - Immunohistochemical staining of mouse spleen tissue using Smac antibody at 2 ug/ml.



Western Blot: SMAC/Diablo Antibody [NBP1-76772] - Analysis of Smac in mouse heart tissue lysate in the absence (A) or presence (B) of blocking peptide and in rat heart tissue lysate with Smac antibody at 1 ug/ml.

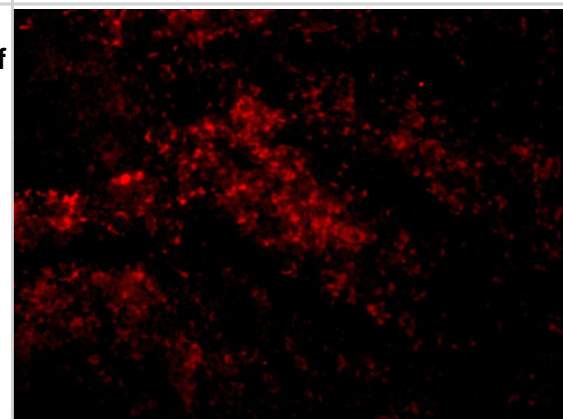


Western Blot: SMAC/Diablo Antibody [NBP1-76772] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: SMAC/Diablo NB100-55900 (1 ug/mL), SMAC/Diablo NBP1-76772 (1 ug/mL), and beta-actin (1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

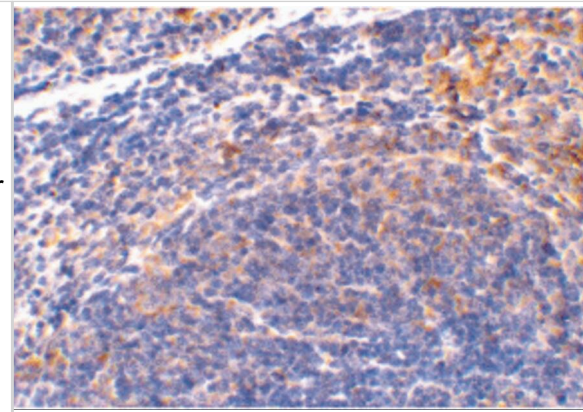


Immunocytochemistry/ Immunofluorescence: SMAC/Diablo Antibody - BSA Free [NBP1-76772] - **Figure 4 Immunofluorescence Validation of SMAC/Diablo in Mouse Spleen Cells**

Immunofluorescent analysis of 4% paraformaldehyde-fixed Mouse Spleen Cells labeling SMAC/Diablo with at 10 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Immunohistochemistry: SMAC/Diablo Antibody - BSA Free [NBP1-76772] - Figure 5 Immunohistochemistry Validation of SMAC/Diablo in Mouse Spleen Tissue Immunohistochemical analysis of paraffin-embedded Mouse Spleen Tissue using anti-SMAC/Diablo antibody at 2 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Publications

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

Details:

Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).

Sulaiman MK, Chu Z, Blanco VM et al. SapC-DOPS nanovesicles induce Smac- and Bax-dependent apoptosis through mitochondrial activation in neuroblastomas Mol. Cancer 2015-04-19 [PMID: 25889084] (WB, Human)



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Products Related to NBP1-76772

NBP1-76772PEP	SMAC/Diablo Antibody Blocking Peptide
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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