

Product Datasheet

NOD2 Antibody (2D9) - Azide and BSA Free NBP2-80883

Unit Size: 0.1 ml

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

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NBP2-80883

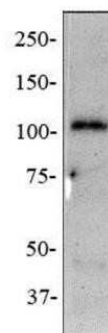
NOD2 Antibody (2D9) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2D9
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	110 kDa
Product Description	
Host	Mouse
Gene ID	64127
Gene Symbol	NOD2
Species	Human, Mouse
Immunogen	Recombinant human NOD2 protein corresponding to residues 28-301. [UniProt# Q9HC29]
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry reported in scientific literature (PMID 28241127), Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:50-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen, Flow (Intracellular), CyTOF-ready
Application Notes	In WB, this antibody has been tested with NOD2 transfected 293T lysates and HT29 human colorectal adenocarcinoma lysates (endogenous detection has some background) where a band is seen at ~110 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

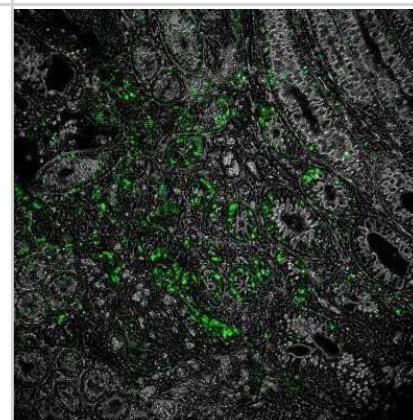


Images

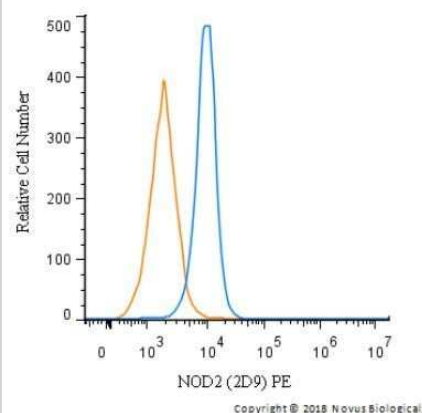
Western Blot: NOD2 Antibody (2D9) - Azide and BSA Free [NBP2-80883] - Whole cell protein from THP-1 cells was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2 ug/ml anti-NOD2 in 1% milk, and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.



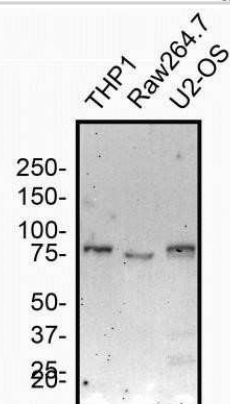
Immunohistochemistry: NOD2 Antibody (2D9) - Azide and BSA Free [NBP2-80883] - Overlay of NOD2-DyLight 488 (green) with phase contrast of murine colon. Image from verified customer review. Image from the standard format of this antibody.



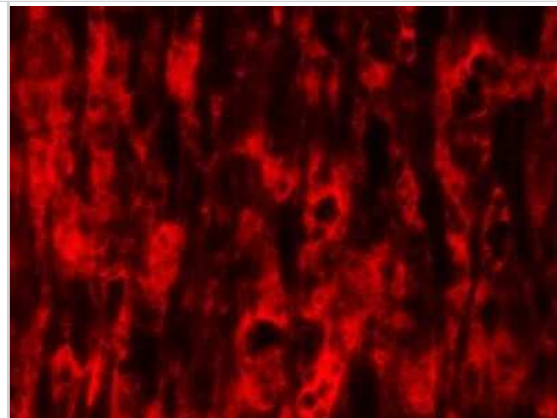
Flow Cytometry: NOD2 Antibody (2D9) - Azide and BSA Free [NBP2-80883] - An intracellular stain was performed on Jurkat cells with NOD2 (2D9) antibody NB100-524PE (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes. Both antibodies were directly conjugated to phycoerythrin.



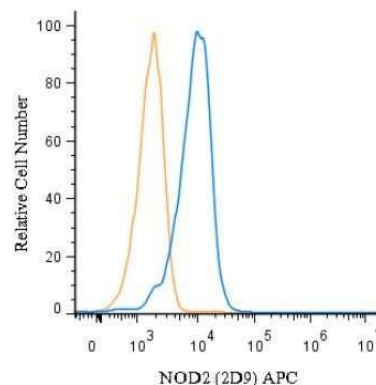
Western Blot: NOD2 Antibody (2D9) - Azide and BSA Free [NBP2-80883] - Total protein from human THP1 and U2-OS cells and mouse Raw264.7 cells was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-NOD2 in 1% non-fat milk in TBST and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.



Immunohistochemistry: NOD2 Antibody (2D9) - Azide and BSA Free [NBP2-80883] - Analysis of PFA fixed mouse sciatic nerve section using anti-NOD2 antibody. Image from verified customer review. Image from the standard format of this antibody.



Flow Cytometry: NOD2 Antibody (2D9) - Azide and BSA Free [NBP2-80883] - An intracellular stain was performed on Jurkat cells with NOD2 (2D9) antibody NB100-524APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes. Image from the standard format of this antibody.



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-27118PEP	NOD2 Antibody Blocking Peptide

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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