

Product Datasheet

ARC/NOL3 Antibody - BSA Free NB500-257

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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Updated 10/23/2024 v.20.1

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NB500-257

ARC/NOL3 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	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	33 kDa

Product Description

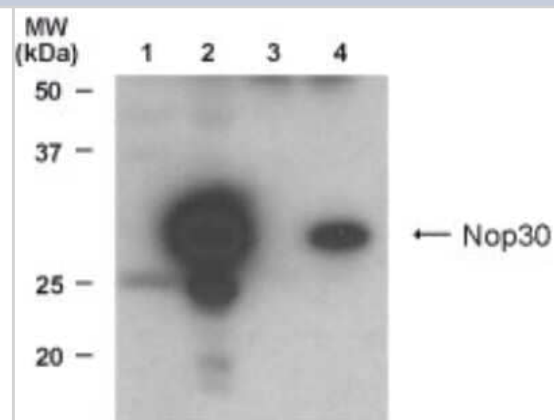
Host	Rabbit
Gene ID	8996
Gene Symbol	NOL3
Species	Human
Reactivity Notes	Reacts with residues 125-141 (PELQTLTRPGALRAPRR) of the human Nop30 protein. Reactivity to other species has not tested.
Specificity/Sensitivity	This is specific for the human Nop30 protein (Gene names - ARC, NOP or NOL3).
Immunogen	A synthetic peptide made to residues 125-141 (PELQTLTRPGALRAPRR) of the human Nop30 protein.

Product Application Details

Applications	Western Blot
Recommended Dilutions	Western Blot 1:100-1:2000
Application Notes	This antibody has been tested in Western blot, where a band at ~25 kDa is seen. No other applications have been tested. Western blot - Use at 1:500 to 1:1,000 dilution. *The investigator should determine the optimal dilution for each assay. 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: ARC/NOL3 Antibody [NB500-257] - Analysis of NB500-257 at 1:1000 dilution. Lane 1: NIH3T3 cells. Lane 2: NIH3T3 cells transfected with NOL3. Lane 3: Recombinant ARC. Lane 4: Recombinant NOL3.



Publications

Mak PY, Mak DH, Ruvolo V et al. Apoptosis repressor with caspase recruitment domain modulates second mitochondrial-derived activator of caspases mimetic-induced cell death through BIRC2/MAP3K14 signalling in acute myeloid leukaemia. Br. J Haematol. 2014-07-31 [PMID: 25079338] (WB, Human)

Details:

ARC/NOL3 antibody used for WB on lysates of OCI-AML3 cells, Molm13 cells and human bone marrow-derived mesenchymal stromal cells/MSCs treated or not with Birinapant (Fig 1), and on OCI-AML3 and Molm13 cells transfected with MAP3K14 siRNA or a scramble siRNA control by electroporation (Fig 2). Antibody also used on ARC knock-down (K/D) Molm13, OCI-AML3 cells and MSCs (Fig 4A, 5A), and ARC over-expression KG-1 cells (Fig 4B). WB also performed on OCI-AML3 cells treated with low nmol/l concentrations of demethylating agents decitabine/DAC or 5-azacytidine/5-Aza (Fig 4C).





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Products Related to NB500-257

NBL1-13710	ARC/NOL3 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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