

Product Datasheet

ARC/NOL3 Antibody - BSA Free NB500-257SS

Unit Size: 0.025 mg

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

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NB500-257SS

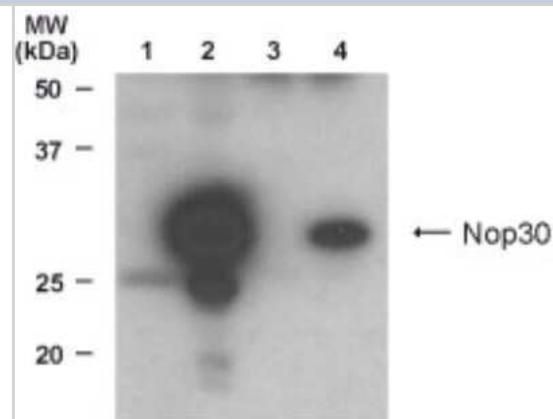
ARC/NOL3 Antibody - BSA Free

Product Information	
Unit Size	0.025 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	
Description	Novus Biologicals Rabbit ARC/NOL3 Antibody - BSA Free (NB500-257) is a polyclonal antibody validated for use in WB. Anti-ARC/NOL3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
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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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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