

# Product Datasheet

## RAR alpha/NR1B1 Antibody

### NBP3-11869-100ul

Unit Size: 100 ul

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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**NBP3-11869-100ul**

RAR alpha/NR1B1 Antibody

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Whole Antiserum
Buffer	Whole antiserum

Product Description	
Description	Novus Biologicals Rabbit RAR alpha/NR1B1 Antibody (NBP3-11869) is a polyclonal antibody validated for use in WB, ELISA and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5914
Gene Symbol	RARA
Species	Human
Immunogen	Polyclonal antibody raised in rabbit against human RAR alpha/NR1B1 using two KLH-conjugated synthetic peptides containing sequences from the C-terminal region of the protein (Uniprot#: P10276).

Product Application Details	
Applications	Western Blot, ELISA, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing
Recommended Dilutions	Western Blot 1:750, ELISA 1:50, Chromatin Immunoprecipitation (ChIP) 4ug/ChIP, Chromatin Immunoprecipitation Sequencing 4ug/ChIP

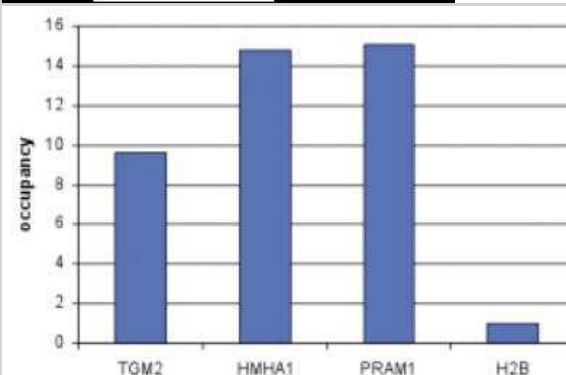


## Images

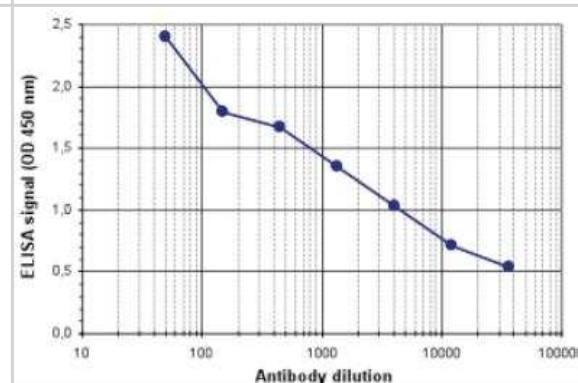
**Western Blot:** RAR alpha/NR1B1 Antibody [NBP3-11869] - Human embryonic kidney cells (293T) were transfected with a RAR alpha construct (lane 2) or with a negative control construct (lane 1) and analysed by Western blot using NBP3-11869, diluted 1:750 in BSA/PBS-Tween. The molecular weight marker (in kDa) is shown on the left; the location of the protein of interest is indicated on the right.



**Chromatin Immunoprecipitation:** RAR alpha/NR1B1 Antibody [NBP3-11869] - ChIP assays were performed using NB4 cells, NBP3-11869 and optimized primer pairs for qPCR. Sheared chromatin from 6 million cells and 4 ul of antibody were used per ChIP experiment. QPCR was performed using primers specific for the TGM2, HMHA1, PRAM1 and H2B genes. This image shows the relative occupancy, calculated as the ratio + control/background for which the second exon of the MB gene was used.



**ELISA:** RAR alpha/NR1B1 Antibody [NBP3-11869] - To determine the titer of the antibody, an ELISA was performed using a serial dilution of NBP3-11869. The plates were coated with the peptides used for immunization of the rabbit. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:2,400.





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### **Products Related to NBP3-11869-100ul**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-98881-100ug	Recombinant Human RAR alpha/NR1B1 His Protein
NBP3-00419	Human RAR alpha/NR1B1 ELISA Kit (Colorimetric)

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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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