

# Product Datasheet

## ROR gamma/RORC/NR1F3 Antibody (RORC/2941) NBP3-07564-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-07564-100ug**

ROR gamma/RORC/NR1F3 Antibody (RORC/2941)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	RORC/2941
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	63 kDa
Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-08314)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Mouse
Gene ID	6097
Gene Symbol	RORC
Species	Human
Specificity/Sensitivity	<p>This monoclonal antibody recognizes a protein of 63kDa, identified as ROR-C. Its epitope maps in between aa1-50. The nuclear orphan receptors ROR are members of the nuclear hormone receptor superfamily. Members of this family act by directly associating with DNA sequences known as hormone response elements (HREs) and typically bind DNA as either homo- or heterodimers. RORalpha and RORgamma are unique in that they bind DNA as monomers. RORalpha has multiple isoforms that share common DNA and putative ligand-binding domains, but differ in their amino terminal domains, which are generated by alternative RNA processing. RORgamma comprises a 560 amino acid protein that shares 50% amino acid identity with RORalpha and is most highly expressed in skeletal muscle. Although these proteins are considered orphan receptors, due to a lack of defined ligands, experimental evidence has shown that melatonin may be the natural ligand for these nuclear receptors.</p>
Immunogen	Recombinant full-length human ROR gamma/RORC/NR1F3 protein (Uniprot: P51449)
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array

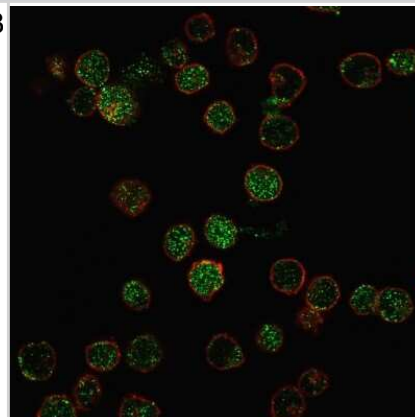


**Application Notes**

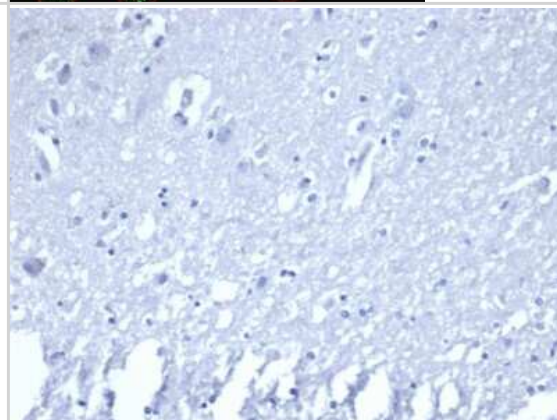
Flow Cytometry: 1-2ug/million cells, 3% PFA-fixed cells.  
 Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.  
 Optimal dilution for a specific application should be determined.

**Images**

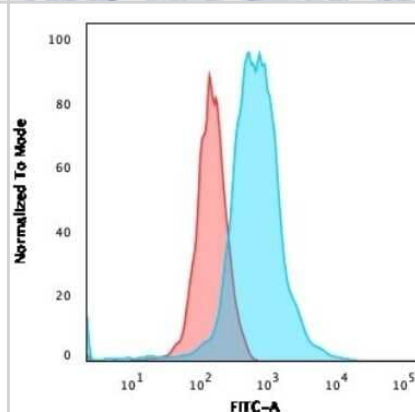
Immunocytochemistry/Immunofluorescence: ROR gamma/RORC/NR1F3 Antibody (RORC/2941) [NBP3-07564] - Immunofluorescence staining of PFA-fixed MOLT4 cells with ROR gamma/RORC/NR1F3 Mouse Monoclonal Antibody (RORC/2941) followed by goat anti- Mouse IgG-CF488. Nuclei counterstained with RedDot.



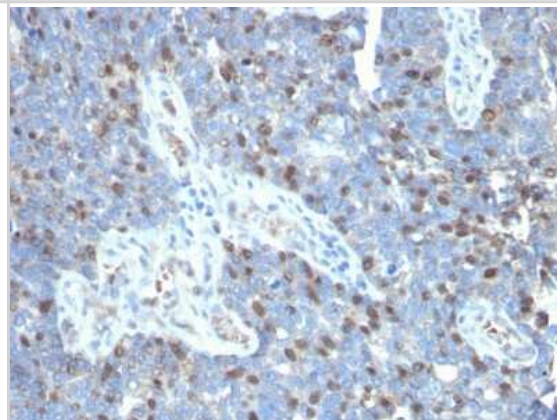
Immunohistochemistry-Paraffin: ROR gamma/RORC/NR1F3 Antibody (RORC/2941) [NBP3-07564] - IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using ROR gamma/RORC/NR1F3 antibody (RORC/2941) at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 : HRP-polymer, 30min. DAB, 5min.



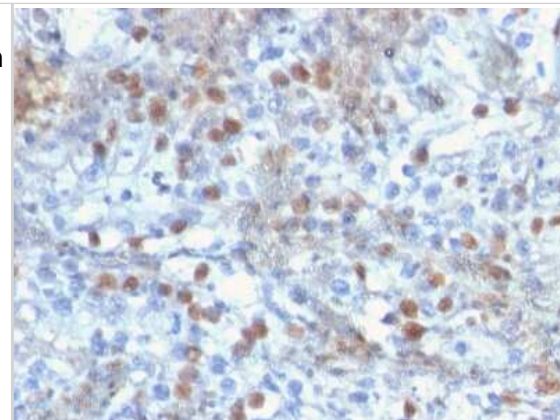
Flow Cytometry: ROR gamma/RORC/NR1F3 Antibody (RORC/2941) [NBP3-07564] - Flow Cytometric Analysis of PFA-fixed MOLT4 cells using ROR gamma/RORC/NR1F3 Mouse Monoclonal Antibody (RORC/2941) followed by goat anti- Mouse IgG-CF488 (blue); isotype control (red).



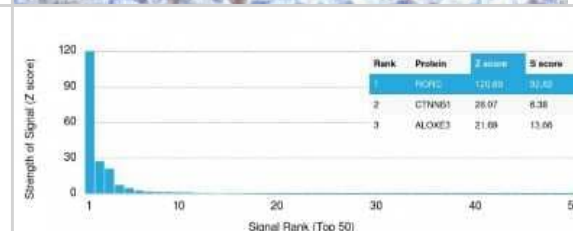
Immunohistochemistry-Paraffin: ROR gamma/RORC/NR1F3 Antibody (RORC/2941) [NBP3-07564] - Formalin-fixed, paraffin-embedded human colon carcinoma stained with ROR gamma/RORC/NR1F3 Mouse Monoclonal Antibody (RORC/2941).



Immunohistochemistry-Paraffin: ROR gamma/RORC/NR1F3 Antibody (RORC/2941) [NBP3-07564] - Formalin-fixed, paraffin-embedded human kidney stained with ROR gamma/RORC/NR1F3 Mouse Monoclonal Antibody (RORC/2941).



Protein Array: ROR gamma/RORC/NR1F3 Antibody (RORC/2941) [NBP3-07564] - Analysis of Protein Array containing more than 19,000 full-length human proteins using ROR gamma/RORC/NR1F3 Mouse Monoclonal Antibody (RORC/2941).





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-07564-100ug**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00006097-Q01-10ug	Recombinant Human ROR gamma/RORC/NR1F3 GST (N-Term) Protein

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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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