

# Product Datasheet

## Progesterone R/NR3C3 Antibody (PR484) NBP2-33324-0.1mg

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

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Updated 7/16/2024 v.20.1

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**NBP2-33324-0.1mg**

Progesterone R/NR3C3 Antibody (PR484)

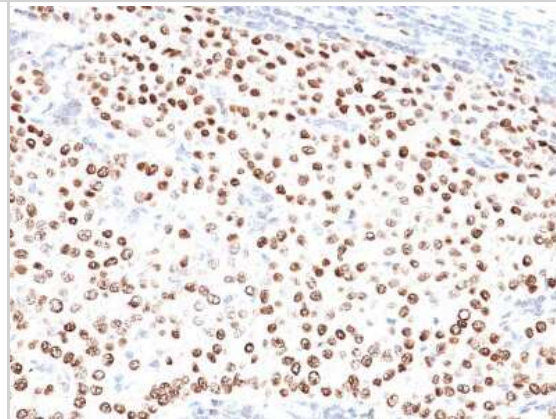
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PR484
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33325)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	5241
Gene Symbol	PGR
Species	Human
Marker	Marker of Progestin Dependence
Specificity/Sensitivity	This monoclonal antibody is specific to progesterone receptor and shows minimal cross-reaction with other members of the family. Progesterone receptor is expressed as two major isoforms, PR-A (81kDa) and PR-B (116kDa). Expression of PgR has been suggested to reflect a intact estrogen regulatory machinery and therefore, predict better clinical response to endocrine therapy than ER alone. It is excellent for immunohistochemical staining of formalin/paraffin tissues.
Immunogen	Recombinant full-length human Progesterone R/NR3C3 protein (PGR) (Uniprot: P06401 )

Product Application Details	
Applications	Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Simple Western 10 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	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. In Simple Western only 10 - 15 ul of the recommended dilution is used per data point. Separated by Size.

## Images

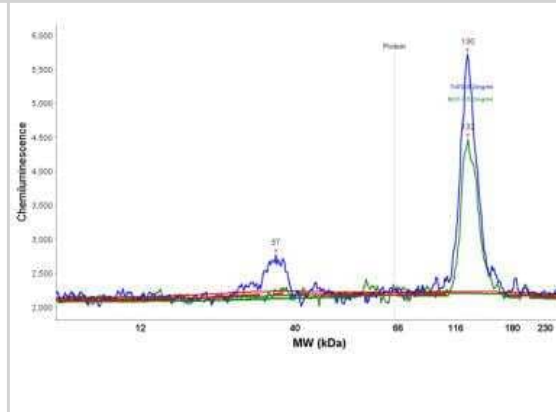
Immunohistochemistry-Paraffin: Progesterone R/NR3C3 Antibody (PR484) [NBP2-33324] - Formalin-fixed, paraffin-embedded human breast carcinoma stained with Progesterone R/NR3C3 Mouse Monoclonal Antibody (PR484).



Simple Western: Progesterone R/NR3C3 Antibody (PR484) [NBP2-33324] - Simple Western lane view shows a specific band for Progesterone R/NR3C3 in 0.2 mg/ml of T47d (left) and MCF-7 (right) lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Progesterone R/NR3C3 Antibody (PR484) [NBP2-33324] - Electropherogram image of the corresponding Simple Western lane. Progesterone R/NR3C3 antibody was used at 10 ug/ml dilution of T47d and MCF-7 lysates(s) respectively.



## Publications

Grigoryeva ES, A Tashireva L, Alifanov VV et al. Molecular subtype conversion in CTCs as indicator of treatment adequacy associated with metastasis-free survival in breast cancer Scientific reports 2022-12-05 [PMID: 36470982] (FLOW, Human)



### **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 NBP2-33324-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00005241-Q01-10ug	Recombinant Human Progesterone R/NR3C3 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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