

# Product Datasheet

## PAC2 Antibody (OTI1E8) NBP2-45438

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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



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

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-45438](http://www.novusbio.com/NBP2-45438)

Updated 9/9/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-45438](http://www.novusbio.com/reviews/destination/NBP2-45438)



**NBP2-45438**

PAC2 Antibody (OTI1E8)

**Product Information**

|                                |                                          |
|--------------------------------|------------------------------------------|
| <b>Unit Size</b>               | 0.1 ml                                   |
| <b>Concentration</b>           | 1 mg/ml                                  |
| <b>Storage</b>                 | Store at -20C. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal                               |
| <b>Clone</b>                   | OTI1E8                                   |
| <b>Preservative</b>            | 0.02% Sodium Azide                       |
| <b>Isotype</b>                 | IgG1                                     |
| <b>Purity</b>                  | Immunogen affinity purified              |
| <b>Buffer</b>                  | PBS (pH 7.3), 1.0% BSA and 50% Glycerol  |
| <b>Target Molecular Weight</b> | 29.2 kDa                                 |

**Product Description**

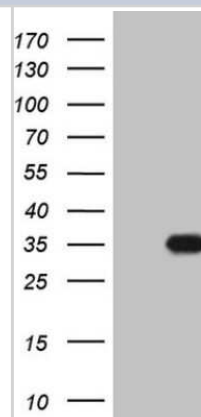
|                         |                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Mouse PAC2 Antibody (OTI1E8) (NBP2-45438) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                                                                                       |
| <b>Host</b>             | Mouse                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene ID</b>          | 56984                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Symbol</b>      | PSMG2                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity Notes</b> | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. |
| <b>Immunogen</b>        | Full length human recombinant protein of human PSMG2 (NP_064617) produced in E.coli.                                                                                                                                                                                                                                                            |

**Product Application Details**

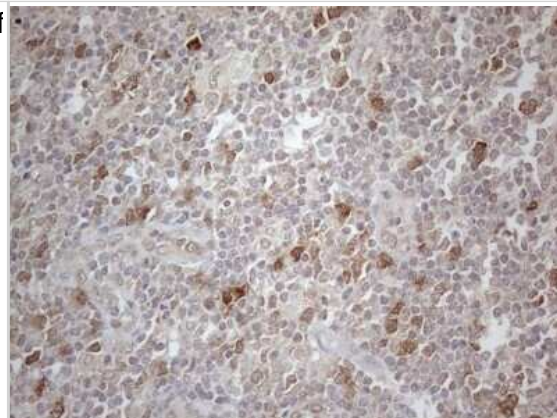
|                              |                                                                                |
|------------------------------|--------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry              |
| <b>Recommended Dilutions</b> | Western Blot 1:2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin |

**Images**

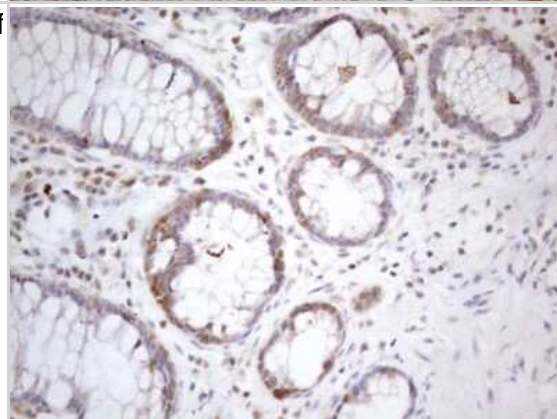
Western Blot: PAC2 Antibody (1E8) [NBP2-45438] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PAC2.



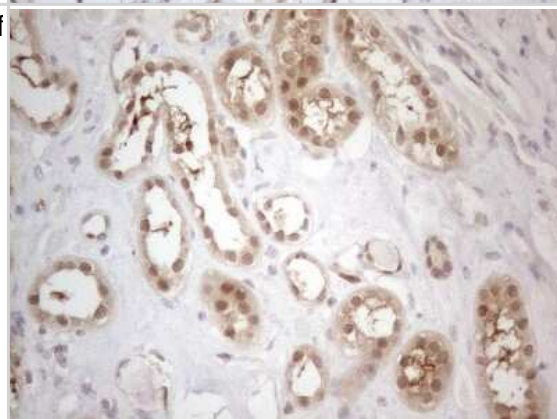
Immunohistochemistry: PAC2 Antibody (1E8) [NBP2-45438] - Analysis of Human lymph node tissue. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120C for 3 min)



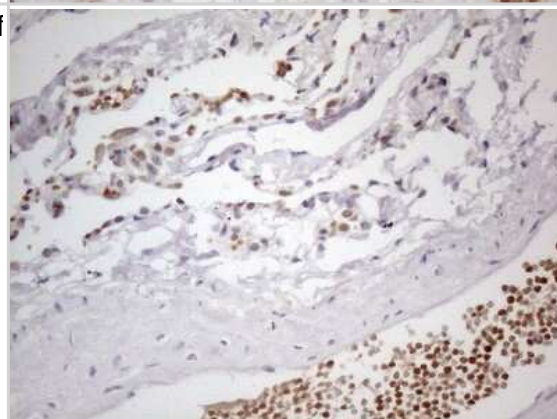
Immunohistochemistry: PAC2 Antibody (1E8) [NBP2-45438] - Analysis of Human colon tissue. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120C for 3 min)



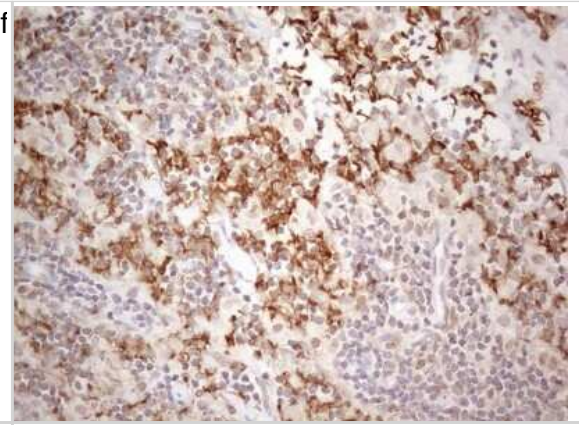
Immunohistochemistry: PAC2 Antibody (1E8) [NBP2-45438] - Analysis of Human Kidney tissue. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120C for 3 min)



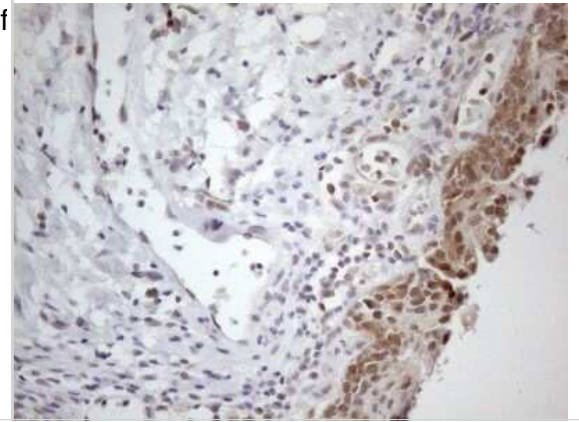
Immunohistochemistry: PAC2 Antibody (1E8) [NBP2-45438] - Analysis of Human lung tissue. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120C for 3 min)



Immunohistochemistry: PAC2 Antibody (1E8) [NBP2-45438] - Analysis of Carcinoma of Human thyroid tissue. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120C for 3 min)



Immunohistochemistry: PAC2 Antibody (1E8) [NBP2-45438] - Analysis of Human bladder tissue. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120C for 3 min)





### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-45438**

---

|                  |                                                         |
|------------------|---------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                        |
| NBP1-72453-50ug  | Recombinant Human PAC2 His Protein                      |

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-45438](http://www.novusbio.com/reviews/submit/NBP2-45438)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

