

# Product Datasheet

## FRAT1 Antibody - BSA Free NBP1-31213

Unit Size: 100 ul

Aliquot and store at -20C or -80C. 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/NBP1-31213](http://www.novusbio.com/NBP1-31213)

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/NBP1-31213](http://www.novusbio.com/reviews/destination/NBP1-31213)



**NBP1-31213**

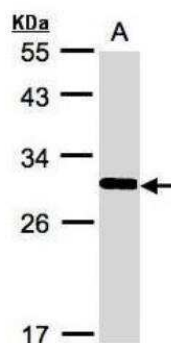
FRAT1 Antibody - BSA Free

| Product Information         |                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 100 ul                                                                                                                                                                                                |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.                                                                                      |
| Storage                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                                                                                                          |
| Clonality                   | Polyclonal                                                                                                                                                                                            |
| Preservative                | 0.01% Thimerosal                                                                                                                                                                                      |
| Isotype                     | IgG                                                                                                                                                                                                   |
| Purity                      | Antigen Affinity-purified                                                                                                                                                                             |
| Buffer                      | 0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol                                                                                                                                                          |
| Target Molecular Weight     | 29 kDa                                                                                                                                                                                                |
| Product Description         |                                                                                                                                                                                                       |
| Description                 | Novus Biologicals Rabbit FRAT1 Antibody - BSA Free (NBP1-31213) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                        | Rabbit                                                                                                                                                                                                |
| Gene ID                     | 10023                                                                                                                                                                                                 |
| Gene Symbol                 | FRAT1                                                                                                                                                                                                 |
| Species                     | Human, Mouse                                                                                                                                                                                          |
| Immunogen                   | Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human FRAT1. The exact sequence is proprietary.                                                  |
| Product Application Details |                                                                                                                                                                                                       |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry                                                                                             |
| Recommended Dilutions       | Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000                                        |

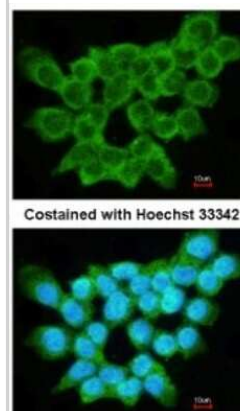


## Images

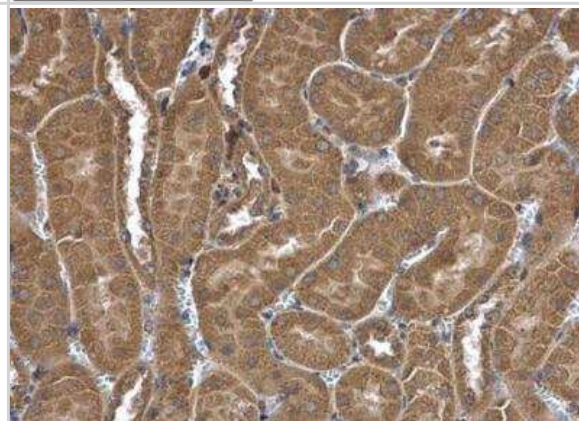
Western Blot: FRAT1 Antibody [NBP1-31213] - Sample(30 ug whole cell lysate) A:A431 12% SDS PAGE diluted at 1:1000



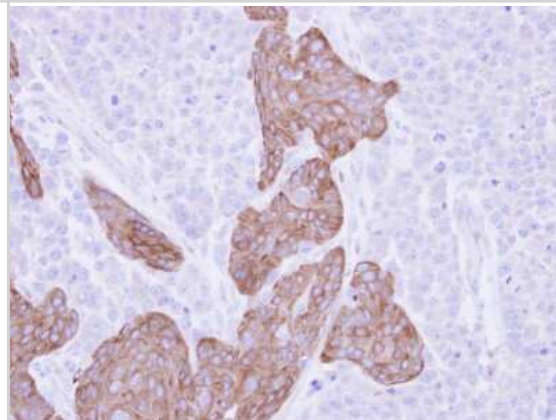
Immunocytochemistry/Immunofluorescence: FRAT1 Antibody [NBP1-31213] - Analysis of methanol-fixed A431, using antibody at 1:200 dilution.



Immunohistochemistry-Paraffin: FRAT1 Antibody [NBP1-31213] - Mouse kidney. FRAT1 antibody [C2C3], C-term diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: FRAT1 Antibody [NBP1-31213] - SG xenograft, using FRAT1 antibody at 1:500 dilution. Antigen Retrieval: Citrate buffer, pH 6.0, 15 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](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Products Related to NBP1-31213**

---

|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP2-58219PEP | FRAT1 Recombinant Protein Antigen                   |

---

### **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/NBP1-31213](http://www.novusbio.com/reviews/submit/NBP1-31213)

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

