

# Product Datasheet

## GABA-AR alpha 1 Antibody (1F4) - Azide and BSA Free NBP3-09048-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. 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/NBP3-09048](http://www.novusbio.com/NBP3-09048)

Updated 11/7/2023 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/NBP3-09048](http://www.novusbio.com/reviews/destination/NBP3-09048)



**NBP3-09048-0.2mg**

GABA-AR alpha 1 Antibody (1F4) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1F4
Preservative	0.02% Proclin 300
Isotype	IgG2b Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	2554
Gene Symbol	GABRA1
Species	Human
Immunogen	This antibody was raised against alpha 1 beta 2 gamma 2 GABA-A receptor.
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, X-Ray Crystallography
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence, X-Ray Crystallography
Application Notes	FSEC: High affinity and specificity of the 1F4 antibody to alpha 1 beta 2 gamma 2 GABA-A receptor was demonstrated using fluorescence-detection size exclusion chromatography with GFP-tagged receptor (shift in elution volume) (Zhu et al., 2018). Crystallography: Furthermore, this antibody was utilised in production and purification of the alpha 1 beta 2 gamma 2 GABA-A receptor (Zhu et al., 2018). Finally, Fab fragments derived from the antibody were used to facilitate crystallisation and improve stabilisation of the alpha 1 beta 2 gamma 2 GABA-A receptor (Zhu et al., 2018).

**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 NBP3-09048-0.2mg**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-33762PEP	GABA-AR alpha 1 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/NBP3-09048](http://www.novusbio.com/reviews/submit/NBP3-09048)

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

