

Product Datasheet

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

NBP3-09047-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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GABA-AR alpha 1 Antibody (1F4) - Chimeric - 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	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rabbit GABA-AR alpha 1 Antibody (1F4) - Chimeric - Azide and BSA Free (NBP3-09047) is a recombinant monoclonal antibody validated for use in ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
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	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques. 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).



Images

Immunocytochemistry /Immunofluorescence: GABA-AR alpha 1 Antibody (1F4) - Chimeric - Azide and BSA Free [NBP3-09047] - Immunofluorescence analysis of paraformaldehyde fixed U251 cells on Shi-fix(TM) coverslips stained with NBP3-09047 at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom: NBP3-09047, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.





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Products Related to NBP3-09047-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-33762PEP	GABA-AR alpha 1 Recombinant Protein Antigen
DBD00	BDNF [HRP]

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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