

# Product Datasheet

## GABA-AR alpha 2 Antibody (S399-19) - BSA Free NBP2-59325

Unit Size: 100 ug

Store at -20C.

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



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### Publications: 1

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Updated 9/9/2025 v.20.1

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**NBP2-59325**

GABA-AR alpha 2 Antibody (S399-19) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	S399-19
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol

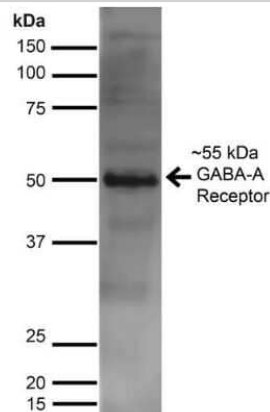
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse GABA-AR alpha 2 Antibody (S399-19) - BSA Free (NBP2-59325) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GABA-AR alpha 2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	2555
<b>Gene Symbol</b>	GABRA2
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	Detects 55kDa. Does not cross-react with GABA-A Receptor Alpha1.
<b>Immunogen</b>	Fusion protein amino acids 350-385 (Cytoplasmic C-terminus) of rat GABA-A Receptor Alpha2

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100

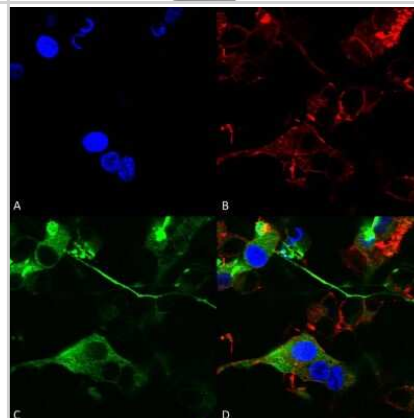


## Images

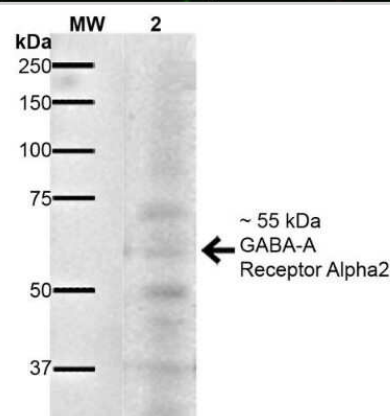
**Western Blot: GABA-AR alpha 2 Antibody (S399-19) [NBP2-59325]** - Western Blot analysis of Rat Brain showing detection of ~55 kDa GABA-AR alpha 2 Alpha 2 protein using Mouse Anti-GABA-AR alpha 2 Alpha 2 Monoclonal Antibody, Clone S399-19 (NBP2-59325). Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 10 ug. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Mouse Anti-GABA-AR alpha 2 Alpha 2 Monoclonal Antibody (NBP2-59325) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:100 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~55 kDa.



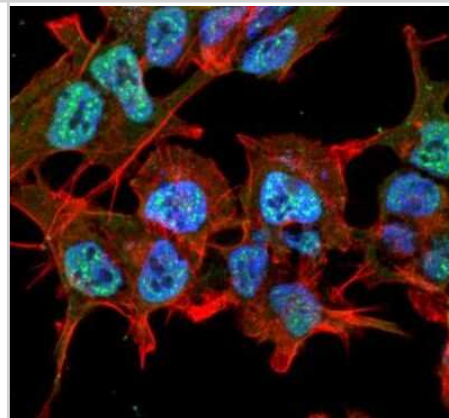
**Immunocytochemistry/Immunofluorescence: GABA-AR alpha 2 Antibody (S399-19) [NBP2-59325]** - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Alpha 2 Monoclonal Antibody, Clone S399-19 (NBP2-59325). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-GABA-A Receptor Alpha 2 Monoclonal Antibody (NBP2-59325) at 1:200 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) GABA-A Receptor Alpha 2 Antibody (D) Composite.



**Western Blot: GABA-AR alpha 2 Antibody (S399-19) [NBP2-59325]** - Western Blot analysis of Mouse Brain showing detection of ~55 kDa GABA-AR alpha 2 Alpha 2 protein using Mouse Anti-GABA-AR alpha 2 Alpha 2 Monoclonal Antibody, Clone S399-19 (NBP2-59325). Lane 1: MW Ladder. Lane 2: Mouse Brain. Load: 20 ug. Primary Antibody: Mouse Anti-GABA-AR alpha 2 Alpha 2 Monoclonal Antibody (NBP2-59325) at 1:1000 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Predicted/Observed Size: ~55 kDa. Other Band(s): ~ 37 kDa, ~50 kDa, ~70 kDa.



**Immunocytochemistry/Immunofluorescence: GABA-AR alpha 2 Antibody (S399-19) [NBP2-59325]** - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GABA-A Receptor Alpha2 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Cytoplasm, Nucleus. Magnification: 60X.



## Publications

Gawande DY, Shelkar GP, Narasimhan KKS et al. GluN2D subunit-containing NMDA receptors regulate reticular thalamic neuron function and seizure susceptibility Neurobiology of disease 2023-04-07 [PMID: 37031803] (WB, Mouse)



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### Products Related to NBP2-59325

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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