

# Product Datasheet

## GABA-AR alpha 4 Antibody (S398A-34) - BSA Free NBP2-59326

Unit Size: 100 ug

Store at -20C.

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### Publications: 1

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Updated 9/9/2025 v.20.1

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**NBP2-59326**

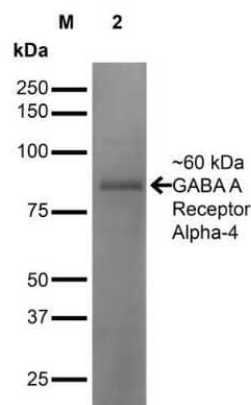
GABA-AR alpha 4 Antibody (S398A-34) - BSA Free

<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>	S398A-34
<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 4 Antibody (S398A-34) - BSA Free (NBP2-59326) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GABA-AR alpha 4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	2557
<b>Gene Symbol</b>	GABRA4
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	Detects 60kDa. Does not cross-react with other GABA-A-Receptor Alpha subunits.
<b>Immunogen</b>	Fusion protein amino acids 410-450 (Cytoplasmic C-terminus) of rat GABA-A-Receptor Alpha 4
<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

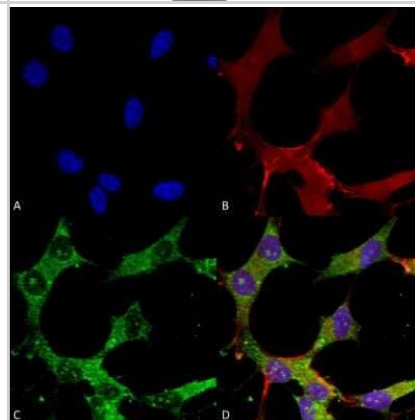


## Images

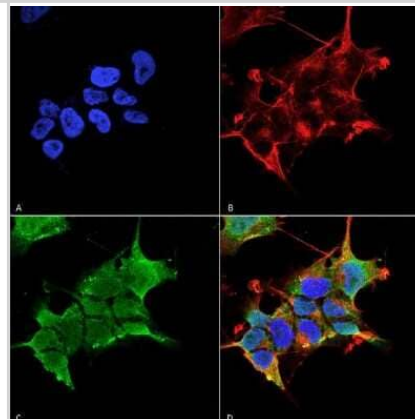
Western Blot: GABA-AR alpha 4 Antibody (S398A-34) [NBP2-59326] - Western Blot analysis of Mouse Brain showing detection of ~60 kDa GABA-A-Receptor-Alpha4 protein using Mouse Anti-GABA-A-Receptor-Alpha4 Monoclonal Antibody, Clone S398A-34 (NBP2-59326). Lane 1: MW Ladder. Lane 2: Mouse Brain. Load: 20 ug. Block: 2% GE Healthcare Blocker for 1 hour at RT. Primary Antibody: Mouse Anti-GABA-A-Receptor-Alpha4 Monoclonal Antibody (NBP2-59326) at 1:1000 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~60 kDa.



Immunocytochemistry/Immunofluorescence: GABA-AR alpha 4 Antibody (S398A-34) [NBP2-59326] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Alpha 4 Monoclonal Antibody, Clone S398A-34 (NBP2-59326). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-GABA-A Receptor Alpha 4 Monoclonal Antibody (NBP2-59326) at 1:50 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 4 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: GABA-AR alpha 4 Antibody (S398A-34) [NBP2-59326] - Analysis using Mouse Anti-GABA-A Receptor Alpha4 Monoclonal Antibody, Clone S398A-34. (Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GABA-A Receptor Alpha4 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 60min RT, 5min RT.



## Publications

Wang G, Peng S, Reyes Mendez M et al. The TMEM132B-GABA A receptor complex controls alcohol actions in the brain. Cell 2024-09-27 [PMID: 39357522]



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### **Products Related to NBP2-59326**

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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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