

Product Datasheet

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

Unit Size: 100 ug

Store at -20C.

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NBP2-59325

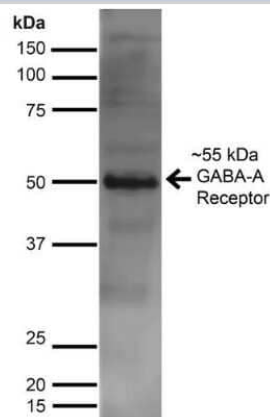
GABA-AR alpha 2 Antibody (S399-19) - BSA Free

| Product Information | |
|------------------------------------|---|
| Unit Size | 100 ug |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at -20C. |
| Clonality | Monoclonal |
| Clone | S399-19 |
| Preservative | 0.1% Sodium Azide |
| Isotype | IgG1 |
| Purity | Protein G purified |
| Buffer | PBS (pH 7.4), 50% Glycerol |
| Product Description | |
| Host | Mouse |
| Gene ID | 2555 |
| Gene Symbol | GABRA2 |
| Species | Human, Mouse, Rat |
| Specificity/Sensitivity | Detects 55kDa. Does not cross-react with GABA-A Receptor Alpha1. |
| Immunogen | Fusion protein amino acids 350-385 (Cytoplasmic C-terminus) of rat GABA-A Receptor Alpha2 |
| Product Application Details | |
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100 |

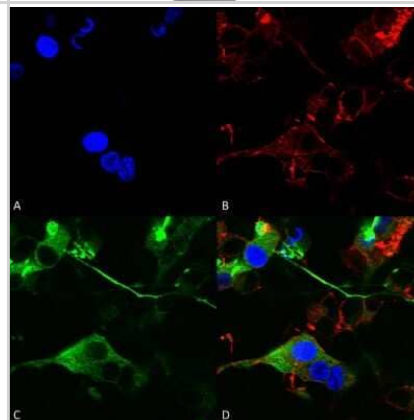


Images

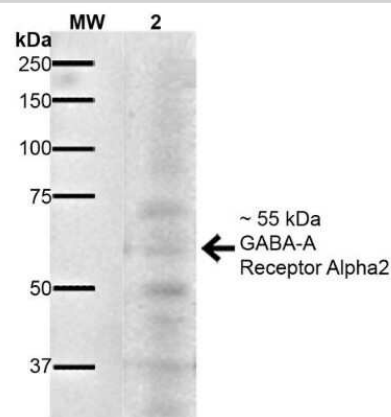
Western Blot: GABA-AR alpha 2 Antibody (S399-19) [NBP2-59325] - Western Blot analysis of Rat Brain showing detection of ~55 kDa GABA-AR alpha 2 Alpha 2 protein using Mouse Anti-GABA-AR alpha 2 Alpha 2 Monoclonal Antibody, Clone S399-19 (NBP2-59325). Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 10 ug. 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.



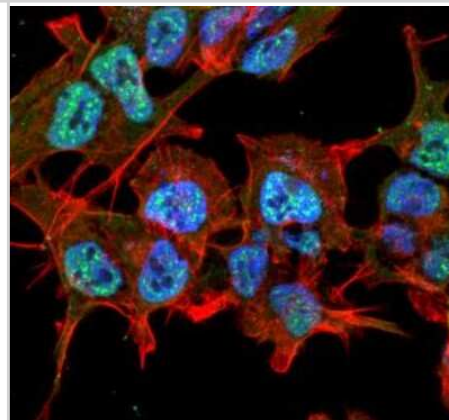
Immunocytochemistry/Immunofluorescence: GABA-AR alpha 2 Antibody (S399-19) [NBP2-59325] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Alpha 2 Monoclonal Antibody, Clone S399-19 (NBP2-59325). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 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

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1) |
| 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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