

Product Datasheet

GABA-A R beta 3 Antibody (N87/25) - BSA Free NBP1-47613

Unit Size: 0.1 mg

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

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NBP1-47613

GABA-A R beta 3 Antibody (N87/25) - BSA Free

Product Information	
Unit Size	0.1 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	N87/25
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Target Molecular Weight	54 kDa
Product Description	
Host	Mouse
Gene ID	2562
Gene Symbol	GABRB3
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 55kDa. No cross-reactivity against GABA-A-R-Beta 2 or -Beta1.
Immunogen	Fusion protein amino acids 370-433 of mouse GABA-A-R-Beta 3
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000, Microarray
Application Notes	1 ug/ml of GABA-A Receptor Beta3 Antibody was sufficient for detection of Beta3 GABA receptor in 10 ug of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary Antibody.

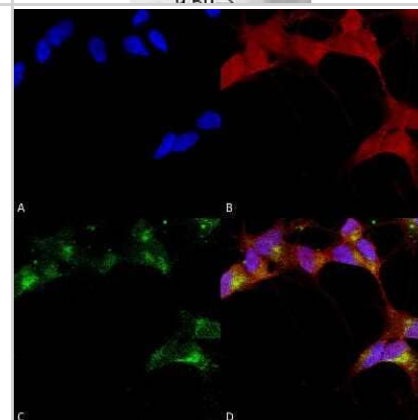


Images

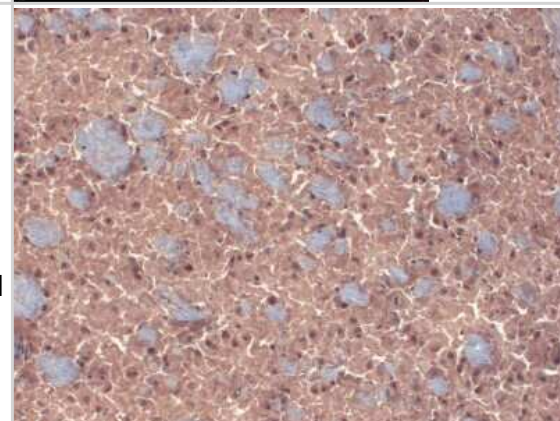
Western Blot: GABA-A R beta 3 Antibody (N87/25) [NBP1-47613] - Western Blot analysis of Rat brain membrane lysate showing detection of GABA-A R beta 3 protein using Mouse Anti-GABA-A R beta 3 Monoclonal Antibody, Clone N87/25 (NBP1-47613). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-GABA-A R beta 3 Monoclonal Antibody (NBP1-47613) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

201.5→
156.75→
106→
79.68→
48.33→
37.81→
23.27→
18.19→
14.17→
9.50→

Immunocytochemistry/Immunofluorescence: GABA-A R beta 3 Antibody (N87/25) [NBP1-47613] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GABA-A Receptor Beta 3 Monoclonal Antibody, Clone N87/25 (NBP1-47613). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-GABA-A Receptor Beta 3 Monoclonal Antibody (NBP1-47613) at 1:100 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 Beta 3 Antibody (D) Composite.



Immunohistochemistry: GABA-A R beta 3 Antibody (N87/25) [NBP1-47613] - Immunohistochemistry analysis using Mouse Anti-GABA-A R beta 3 Monoclonal Antibody, Clone N87/25 (NBP1-47613). Tissue: Brain. Species: mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-GABA-A R beta 3 Monoclonal Antibody (NBP1-47613) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 I for 5 minutes at RT.



Publications

Kwakowsky A, Calvo-Flores Guzman B, et al. GABAA receptor subunit expression changes in the human Alzheimer's disease hippocampus, subiculum, entorhinal cortex and superior temporal gyrus. J Neurochem 2018-06-01 [PMID: 29485232] (WB, IHC-Fr, Human)

Palpagama TH, Sagniez M, Kim S et al. GABAA receptors are well preserved in the hippocampus of aged mice eNeuro 2019-07-24 [PMID: 31340951] (WB, IF/IHC, Mouse)

Pandya M, Palpagama TH, Turner C et al. Sex- and age-related changes in GABA signaling components in the human cortex. Biol Sex Differ 2019-01-14 [PMID: 30642393] (WB, Human)

Schwirtlich M, Kwakowsky A, Emri Z et al. GABAergic signaling in primary lens epithelial and lentoid cells and its involvement in intracellular Ca(2+) modulation. Cell Calcium. 2011-08-03 [PMID: 21820173]



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Products Related to NBP1-47613

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)
NBL1-10922	GABA-A R beta 3 Overexpression Lysate

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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