

# Product Datasheet

## **GABA-A R beta 1 Antibody (S96-55) - BSA Free** **NBP1-48319-0.025mg**

Unit Size: 0.025 mg

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

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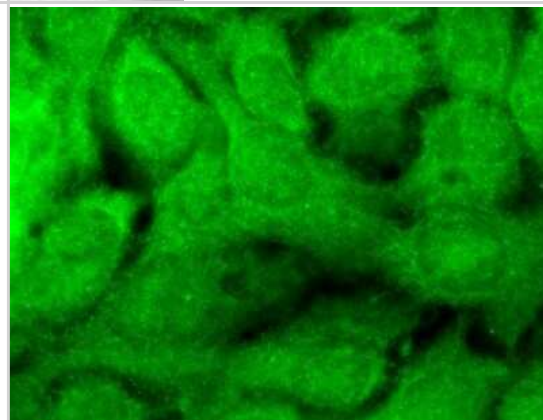
Product Information	
Unit Size	0.025 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S96-55
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	2560
Gene Symbol	GABRB1
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 28197552).
Specificity/Sensitivity	Detects approx 55kDa. No cross-reactivity against GABA-A-R-Beta 2 or -Beta3.
Immunogen	Fusion protein amino acids 327-450 of mouse GABA-A-R-Beta 1
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Microarray
Recommended Dilutions	Western Blot 1-10 ug/ml, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 0.1-1.0 ug/ml, Microarray
Application Notes	2 ug/ml of GABA-A Receptor Beta1 Antibody was sufficient for detection of Beta1 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 1 Antibody (S96-55) [NBP1-48319] - analysis of Human Cell line lysates showing detection of GABA A Receptor protein using Mouse Anti-GABA A Receptor Monoclonal Antibody, Clone S96-55 . Load: 15 ug protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-GABA A Receptor Monoclonal Antibody 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→

Immunocytochemistry/Immunofluorescence: GABA-A R beta 1 Antibody (S96-55) [NBP1-48319] - Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20C. Primary Antibody: Mouse Anti-GABA A Receptor Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Positive.



## Publications

Hernandez CC, Zhang Y, Hu N et al. GABA A Receptor Coupling Junction and Pore GABRB3 Mutations are Linked to Early-Onset Epileptic Encephalopathy Sci Rep. 2017-11-21 [PMID: 29162865] (WB, Human)

Hernandez CC, Kong W, Hu N et al. Altered Channel Conductance States and Gating of GABAA Receptors by a Pore Mutation Linked to Dravet Syndrome. eNeuro. 2017-02-15 [PMID: 28197552] (WB, Human)

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**Products Related to NBP1-48319-0.025mg**

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)
H00002560-Q01-10ug	Recombinant Human GABA-A R beta 1 GST (N-Term) Protein

**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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