

# Product Datasheet

## NMDAR2B Antibody (S59) - BSA Free NBP1-47611

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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**NBP1-47611**

NMDAR2B Antibody (S59) - BSA Free

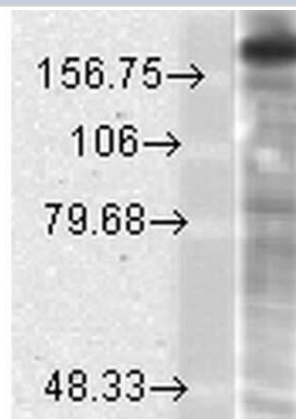
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S59
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description	
Host	Mouse
Gene ID	2904
Gene Symbol	GRIN2B
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 166kDa. No cross-reactivity against NR2A.
Immunogen	Fusion protein amino acids 20-271 (extracellular N-terminus) of rat NR2B

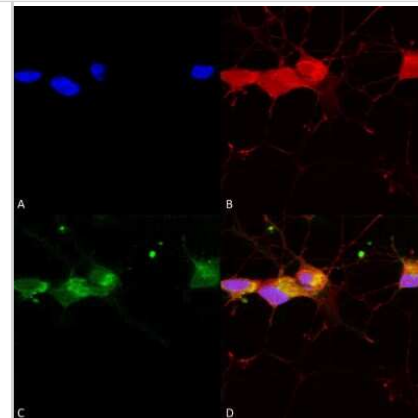
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 0.1-1.0 ug/ml, Microarray
Application Notes	1 ug/ml of GluN2B/NR2B Antibody was sufficient for detection of NR2B in 10 ug of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary Antibody.

**Images**

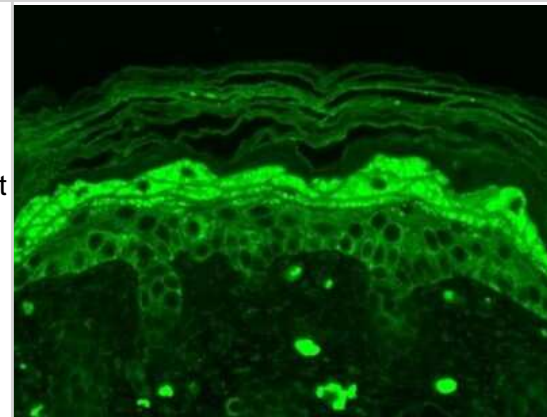
Western Blot: NMDAR2B Antibody (S59) [NBP1-47611] - Western Blot analysis of Rat brain membrane lysate showing detection of GluN2B/NMDAR2B protein using Mouse Anti-GluN2B/NMDAR2B Monoclonal Antibody, Clone S59-36 (NBP1-47611). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-GluN2B/NMDAR2B Monoclonal Antibody (NBP1-47611) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



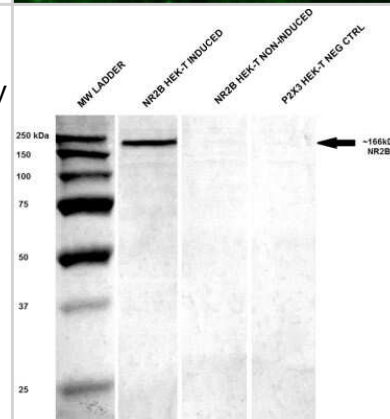
**Immunocytochemistry/Immunofluorescence: NMDAR2B Antibody (S59) [NBP1-47611]** - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GluN2B/NMDAR2B Monoclonal Antibody, Clone S59-36 (NBP1-47611). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-GluN2B/NMDAR2B Monoclonal Antibody (NBP1-47611) 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) GluN2B/NMDAR2B Antibody (D) Composite.



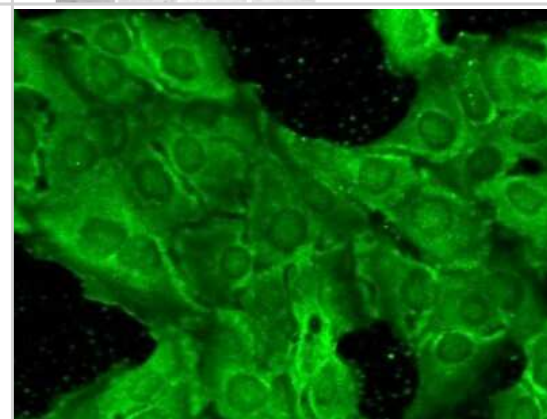
**Immunohistochemistry: NMDAR2B Antibody (S59) [NBP1-47611]** - Immunohistochemistry analysis using Mouse Anti-GluN2B/NMDAR2B Monoclonal Antibody, Clone S59-36 (NBP1-47611). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-GluN2B/NMDAR2B Monoclonal Antibody (NBP1-47611) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Filaggrin-like staining, and dermal staining.



**Western Blot: NMDAR2B Antibody (S59) [NBP1-47611]** - analysis of Human HEK-T lysates showing detection of GluN2B/NR2B protein using Mouse Anti-GluN2B/NR2B Monoclonal Antibody, Clone S59-36. Primary Antibody: Mouse Anti-GluN2B/NR2B Monoclonal Antibody at 1:250.



**Immunocytochemistry/Immunofluorescence: NMDAR2B Antibody (S59) [NBP1-47611]** - Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20C. Primary Antibody: Mouse Anti-GluN2B/NR2B 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: Everything positive.





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### **Products Related to NBP1-47611**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00002904-Q01-10ug	Recombinant Human NMDAR2B 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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