

# Product Datasheet

## NMDAR2B Antibody (S59-20)

### NBP1-47608

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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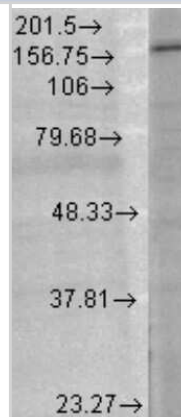
**NBP1-47608****NMDAR2B Antibody (S59-20)**

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 mg  |
| <b>Concentration</b>               | 1 mg/ml   |
| <b>Storage</b>                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.  |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | S59-20  |
| <b>Preservative</b>                | 0.09% Sodium Azide  |
| <b>Isotype</b>                     | IgG2a   |
| <b>Purity</b>                      | Protein G purified  |
| <b>Buffer</b>                      | PBS (pH 7.4), 50% Glycerol  |
| <b>Product Description</b>         |   |
| <b>Host</b>                        | Mouse   |
| <b>Gene ID</b>                     | 2904  |
| <b>Gene Symbol</b>                 | GRIN2B  |
| <b>Species</b>                     | Human, Mouse, Rat   |
| <b>Specificity/Sensitivity</b>     | Detects approx 166kDa. No cross-reactivity against NR2A.  |
| <b>Immunogen</b>                   | Fusion protein amino acids 20-271 (N-terminus) of rat NR2B  |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray  |
| <b>Recommended Dilutions</b>       | Western Blot 1-10 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 0.1-1.0 ug/ml, Microarray       |
| <b>Application Notes</b>           | 1 ug/ml of GluN2B/NR2B Antibody was sufficient for detection of NR2B/GluN2B in 10 ug of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary Antibody. |

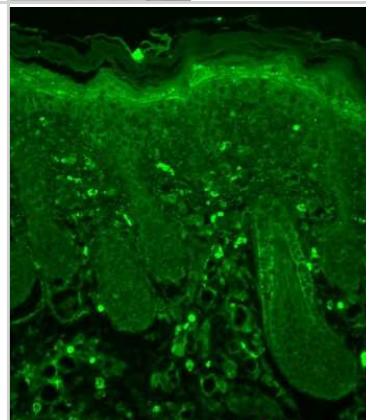


## Images

Western Blot: NMDAR2B Antibody (S59-20) [NBP1-47608] - analysis of Rat brain membrane lysate showing detection of GluN2B/NR2B protein using Mouse Anti-GluN2B/NR2B Monoclonal Antibody, Clone S59-20 . Load: 15 ug protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-GluN2B/NR2B Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunohistochemistry-Paraffin: NMDAR2B Antibody (S59-20) [NBP1-47608] - analysis using Mouse Anti-GluN2B/NR2B Monoclonal Antibody, Clone S59-20 . Tissue: backskin. Species: Mouse. Fixation: Bouins Fixative and paraffin-embedded. 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: Positive (dull) suprabasal staining in the epidermis and some hair follicle localization.





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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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