For research purposes only, not for human use

# Product Data Sheet

# Anti-NMDAR2A Antibody

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CQA2358 | Rabbit | H, M, R | WB, IF/IC |

| | |
|---|---|
| **Description** | Rabbit polyclonal antibody to NMDAR2A |
| **Immunogen** | Recombinant full length protein of human NMDAR2A |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Specificity** | Recognizes endogenous levels of NMDAR2A protein. |
| **Clonality** | Polyclonal |
| **Conjugation** | |
| **Form** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Dilution** | WB (1/500 - 1/1000), IF/IC (1/50 - 1/200) |
| **Gene Symbol** | GRIN2A |
| **Alternative Names** | NMDAR2A; Glutamate receptor ionotropic, NMDA 2A; GluN2A; Glutamate [NMDA] receptor subunit epsilon-1; N-Methyl-D-aspartate receptor subtype 2A; NMDAR2A; NR2A; hNR2A |
| **Entrez Gene** | 2903 (Human); 14811 (Mouse); 24409 (Rat) |
| **SwissProt** | Q12879 (Human); P35436 (Mouse); Q00959 (Rat) |
| **Storage/Stability** | Shipped at 4° C. Upon delivery aliquot and store at -20° C for one year. Avoid freeze/thaw cycles. |

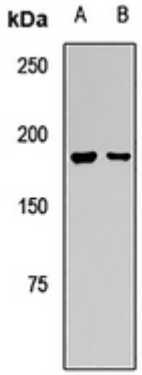
**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish


**COHESION BIOSCIENCES LIMITED**

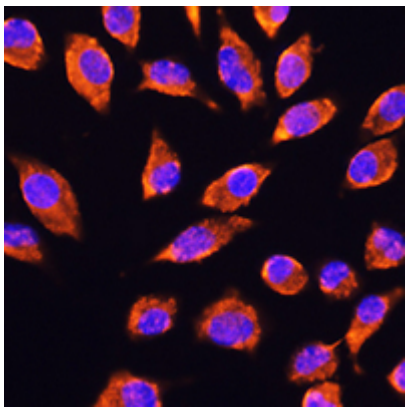
WEB www.cohesionbio.com
ORDER order@cohesionbio.com
SUPPORT techsupport@cohesionbio.com
CUSTOM custom@cohesionbio.com

For research purposes only, not for human use

# Product Data Sheet




Western blot analysis of NMDAR2A expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 144; 165 kD; Observed band size: 180 kD)



Immunofluorescent analysis of NMDAR2A staining in L929 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ° C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish


**COHESION BIOSCIENCES LIMITED**

WEB www.cohesionbio.com
ORDER order@cohesionbio.com
SUPPORT techsupport@cohesionbio.com
CUSTOM custom@cohesionbio.com