For research purposes only, not for human use

Product Data Sheet

Anti-NMDAR2A Antibody

Catalog #	Source	Reactivity	Applications
CQA2358	Rabbit	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

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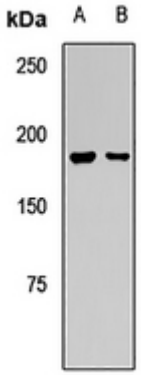
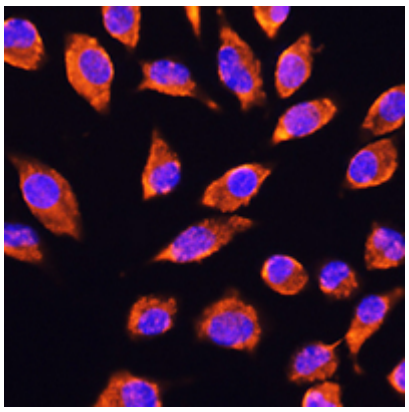


Western blot analysis of NMDAR2A expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 144; 165 kD; Observed band size: 180 kD)



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).

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