

Anti-NMDAR2B (Phospho-Y1474) Antibody

Catalog #	Source	Reactivity	Applications
CPA4663	Rabbit	H, M, R, D	WB, IH
Description	Rabbit polyclonal antibody to NMDAR2B (Phospho-Y1474)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y1474 of human NMDAR2B protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of NMDAR2B protein only when phosphorylated at Y1474.		
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), IH (1/50 - 1/100)		
Gene Symbol	GRIN2B		
Alternative Names	NMDAR2B; Glutamate receptor ionotropic, NMDA 2B; GluN2B; Glutamate [NMDA] receptor subunit epsilon-2; N-Methyl-D-aspartate receptor subtype 2B; NMDAR2B; NR2B; N-methyl-D-aspartate receptor subunit 3; NR3; hNR3		
Entrez Gene	2904 (Human); 14812 (Mouse); 24410 (Rat)		
SwissProt	Q13224 (Human); Q01097 (Mouse); Q00960 (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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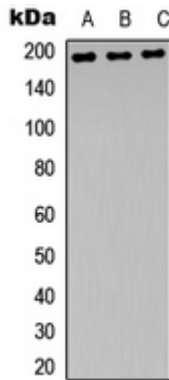
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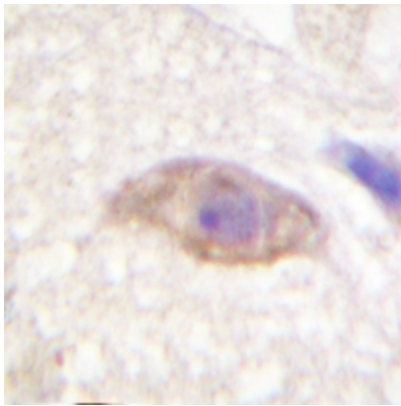
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Product Data Sheet



Western blot analysis of NMDAR2B (Phospho-Y1474) expression in HEK293T UV-treated (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 166 kD; Observed band size: 190 kD)



Immunohistochemical analysis of NMDAR2B (Phospho-Y1474) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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