For research purposes only, not for human use

Product Data Sheet

Anti-NMDAR1 (Phospho-S896) Antibody

Catalog #	Source	Reactivity	Applications
CPA4661	Rabbit	H, M, R, D	WB, IH

Description	Rabbit polyclonal antibody to NMDAR1 (Phospho-S896)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S896 of human NMDAR1 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of NMDAR1 protein only when phosphorylated at S896.
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	GRIN1
Alternative Names	NMDAR1; Glutamate receptor ionotropic, NMDA 1; GluN1; Glutamate [NMDA] receptor subunit zeta-1; N-methyl-D-aspartate receptor subunit NR1; NMD-R1
Entrez Gene	2902 (Human); 14810 (Mouse); 24408 (Rat)
SwissProt	Q05586 (Human); P35438 (Mouse); P35439 (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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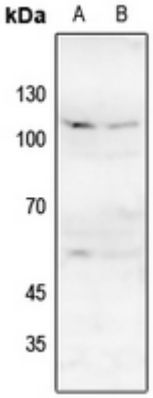
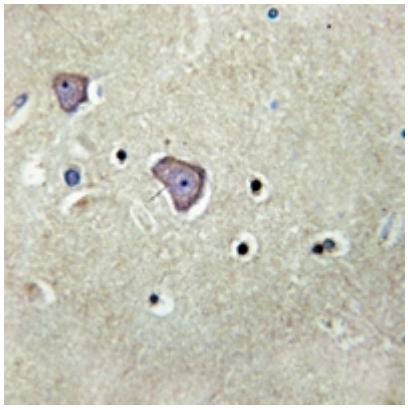


Western blot analysis of NMDAR1 (Phospho-S896) expression in Hela (A), HGC27 (B) whole cell lysates. (Predicted band size: 105 kD; Observed band size: 105 kD)



Immunohistochemical analysis of NMDAR1 (Phospho-S896) 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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