

NMDARA2 rabbit pAb

Catalog No.	IPB14432
Reactivity	Human; Mouse; Rat
Applications	WB
Dilution	WB: 1:500-2000
Gene Name	GRIN2A NMDAR2A
Protein Name	NMDARA2
Human Gene Id	2903
Swiss-Prot	Q12879
Formulation	Liquid in PBS containing 50% glycerol, and 0.1% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cell projection, dendritic spine Cell membrane; Multi-pass membrane protein Cell junction, synapse Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein Cytoplasmic vesicle membrane Expression at the dendrite cell membrane and at synapses is regulated by SORCS2 and the retromer complex
MW	161040
Background	This gene encodes a member of the glutamate-gated ion channel protein family The encoded protein is an N-methyl-D-aspartate (NMDA) receptor subunit NMDA receptors are both ligand-gated and voltage-dependent, and are involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning These receptors are permeable to calcium ions, and activation results in a calcium influx into post-synaptic cells, which results in the activation of several signaling cascades Disruption of this gene is associated with focal epilepsy and speech disorder with or without mental retardation Alternative splicing results in multiple transcript variants

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