NMDAR2A (YD11450) Rabbit mAb

货号: AYD12123

产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB
推荐浓度	
理论分子量	165kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cell projection, dendritic spine, Cell membrane, Synapse, Postsynaptic cell membrane, Cytoplasmic vesicle membrane
纯化	

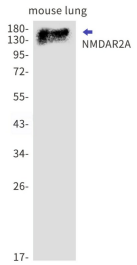
抗原信息

抗原信息	

靶点信息

研究背景	Component of N-methyl-D-aspartate (NMDA) receptors (NMDARs) that function as heterotetrameric, ligand-gated cation channels with high calcium permeability and voltage-dependent block by Mg(2+) (PubMed:12008020, PubMed:1374164). NMDARs participate in synaptic plasticity for learning and memory formation by contributing to the slow phase of excitatory postsynaptic current, long-term synaptic potentiation, and learning (PubMed:7816096, PubMed:8987814). Channel activation requires binding of the neurotransmitter L-glutamate to the GluN2 subunit, glycine or D-serine binding to the GluN1 subunit, plus membrane depolarization to eliminate channel inhibition by Mg(2+) (PubMed:12008020, PubMed:1374164, PubMed:7790891). NMDARs mediate simultaneously the potassium efflux and the influx of calcium and sodium (By similarity). Each GluN2 subunit confers differential attributes to channel properties, including activation, deactivation and desensitization kinetics, pH sensitivity, Ca2(+) permeability, and binding to allosteric modulators (PubMed:10436042, PubMed:12008020). Participates in the synaptic plasticity regulation through activation by the L-glutamate releaseed by BEST1, into the synaptic cleft, upon F2R/PAR-1 activation in astrocyte (PubMed:25645137)
基因ID	3134
基因名	Grin2a
Swiss	P35436
别名	NMDAR2A (YD11450)

产品验证



实验步骤

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