

bs-3305R**[Primary Antibody]****phospho-NMDAR2A (Tyr1325) Rabbit pAb****BioSS**
ANTIBODIES

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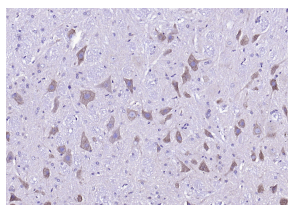
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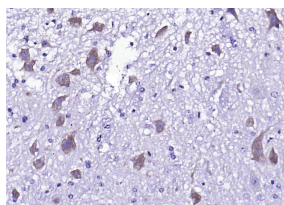
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 2903	SWISS: Q12879	IF (1:100-500)
Target: NMDAR2A (Tyr1325)		Reactivity: Human, Mouse, Rat (predicted: Chicken)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human NMDAR2A around the phosphorylation site of Tyr1325: NF(p-Y)GS.		
Purification: affinity purified by Protein A		Predicted MW.: 165 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate-gated ion channels. These receptors have been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C) and NMDAR2D (GRIN2D). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-NMDAR2A (Tyr1325)) Polyclonal Antibody, Unconjugated (bs-3305R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-NMDAR2A (Tyr1325)) Polyclonal Antibody, Unconjugated (bs-3305R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.15]** Jie Zhu. et al. Pyk2 inhibition attenuates hypoxic-ischemic brain injury in neonatal mice. Acta Pharmacol Sin. 2021 Jul;:1-14 WB ;Mouse. 34226665
- **[IF=3.105]** Huan-Tong Wu. et al. Edaravone attenuates H2O2 or glutamate-induced toxicity in hippocampal neurons and improves AlCl3/D-galactose induced cognitive impairment in mice. Neurotoxicology. 2021 Jul;85:68 WB ;Rat. 34004234

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.