



## Rabbit Anti-Phospho-NMDAR2A (Tyr1325) antibody

SL3305R

|                               |  |
|-------------------------------|--|
| <b>Product Name:</b>          | Phospho-NMDAR2A (Tyr1325)  |
| <b>Chinese Name:</b>          | 磷酸化谷氨酸受体2A抗体   |
| <b>Alias:</b>                 | NMDAR2A (phospho Y1325); p-NMDAR2A (phospho Y1325); Glutamate [NMDA] receptor subunit epsilon 1; Glutamate [NMDA] receptor subunit epsilon-1; Glutamate receptor; Glutamate receptor ionotropic N methyl D aspartate 2A; GRIN 2A; GRIN2A; HNR2A; N methyl D aspartate receptor channel, subunit epsilon 1; N Methyl D Aspartate Receptor Subtype 2A; N methyl D aspartate receptor subunit 2A; N-methyl D-aspartate receptor subtype 2A; NMDA receptor subtype 2A; NMDA Receptor Type 2A; NMDAR 2A; NMDAR2A; NMDE1_HUMAN; NR 2A; NR2A; OTTHUMP00000160135; OTTHUMP00000174531. |
| <b>Organism Species:</b>      | Rabbit   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>React Species:</b>         | Human,Mouse,Rat,Chicken,   |
| <b>Applications:</b>          | ELISA=1:500-1000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight:</b>      | 165kDa   |
| <b>Cellular localization:</b> | The cell membrane  |
| <b>Form:</b>                  | Lyophilized or Liquid  |
| <b>Concentration:</b>         | 1mg/ml   |
| <b>immunogen:</b>             | KLH conjugated Synthesised phosphopeptide derived from human NMDAR2A around the phosphorylation site of Tyr1325:NF(p-Y)GS  |
| <b>Isotype:</b>               | IgG  |
| <b>Purification:</b>          | affinity purified by Protein A   |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.   |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year   |

|                        |   |
|------------------------|---|
|                        | when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.  |
| <b>PubMed:</b>         | <a href="#">PubMed</a>  |
| <b>Product Detail:</b> | <p>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]</p> <p><b>Function:</b><br/>NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation requires binding of agonist to both types of subunits (By similarity).</p> <p><b>Subunit:</b><br/>Forms heteromeric channel of a zeta subunit (GRIN1), a epsilon subunit (GRIN2A, GRIN2B, GRIN2C or GRIN2D) and a third subunit (GRIN3A or GRIN3B). Found in a complex with GRIN1 and GRIN3B. Found in a complex with GRIN1, GRIN3A and PPP2CB. Interacts with PDZ domains of AIP1, INADL and DLG4. Interacts with HIP1 and NETO1 (By similarity). Interacts with LRFN2 (By similarity).</p> <p><b>Subcellular Location:</b><br/>Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.</p> <p><b>Similarity:</b><br/>Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2A/GRIN2A subfamily.</p> <p><b>SWISS:</b><br/>Q12879</p> <p><b>Gene ID:</b><br/>2903</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 2903</a> Human</p> <p><a href="#">Entrez Gene: 14811</a> Mouse</p> <p><a href="#">Entrez Gene: 24409</a> Rat</p> |

[Omim: 138253](#) Human

[SwissProt: Q12879](#) Human

[SwissProt: P35436](#) Mouse

[SwissProt: Q00959](#) Rat

[Unigene: 411472](#) Human

[Unigene: 2953](#) Mouse

[Unigene: 9710](#) Rat

**Important Note:**

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

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)