



## Product Information Sheet

### Polyclonal Anti-N-methyl-D-aspartate receptor2A, *NMDAR2A*

**Catalogue No.** PA1058

**Lot No.** 0101112085823

**Ig type:** rabbit IgG

**Size:** 100µg/vial

#### Specificity

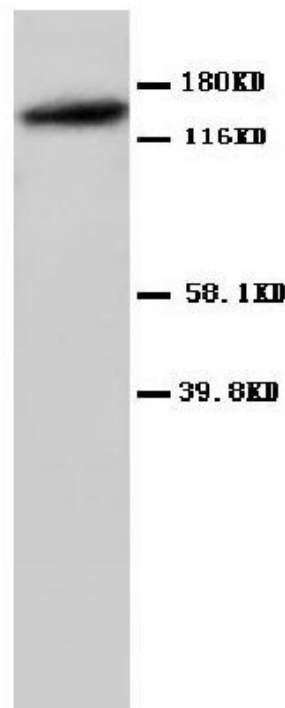
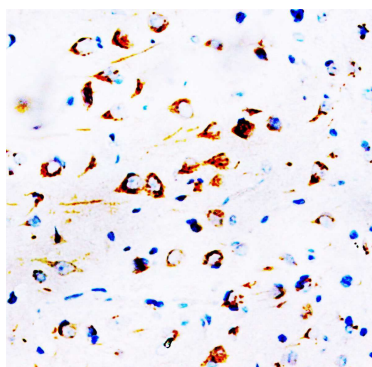
Human, rat.

No cross reactivity with other proteins.

#### Recommended application

*Western blot*

*Immunohistochemistry(P)*



#### Immunogen

A peptide mapping at the C-terminal of NMDAR2A of human origin (1411-1427 aa), different from the rat and mouse sequence by one amino acid.

#### Purity

Immunogen affinity purified.

#### Application

*Western blot*

At 1µg/ml with the appropriate system to detect NMDAR2A in cells and tissues.

*Immunohistochemistry(P)*

At 1µg/ml to detect NMDAR2A in formalin fixed and paraffin embedded tissues.

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**To reorder contact us at:**

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**email: Info@antageneinc.com**

#### Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.**

**Reconstitution**

0.2ml of distilled water will yield a concentration of 500µg/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

**BACKGROUND**

N-methyl-D-aspartate receptor channel, subunit epsilon-1(NMDAR2A),, also known as GRIN2A, mapped to 16p13.2. NMDA glutamate receptors mediate calcium ion accumulation in central myelin in response to chemical ischemia in vitro. NMDA receptors mediate calcium accumulation in myelin during chemical ischaemia.

**REFERENCE**

1. Kalsi, G.; Whiting, P.; Le Bourdelles, B.; Callen, D.; Barnard, E. A.; Gurling, H. : Localization of the human NMDAR2D receptor subunit gene (GRIN2D) to 19q13.1-qter, the NMDAR2A subunit gene to 16p13.2 (GRIN2A), and the NMDAR2C subunit gene (GRIN2C) to 17q24-q25 using somatic cell hybrid and radiation hybrid mapping panels. *Genomics* 47: 423-425, 1998.
2. Micu, I.; Jiang, Q.; Coderre, E.; Ridsdale, A.; Zhang, L.; Woulfe, J.; Yin, X.; Trapp, B. D.; McRory, J. E.; Rehak, R.; Zamponi, G. W.; Wang, W.; Stys, P. K. : NMDA receptors mediate calcium accumulation in myelin during chemical ischaemia. *Nature* 439: 988-992, 2006.