



Product Information Sheet

Polyclonal Anti-N-methyl-D-aspartate receptor2A, **NMDAR2A** (Magnetic Bead Conjugate)

Catalogue No. PA1058-M

Lot No. 0101112085823

Ig type: rabbit IgG1

Size: 100µg/Vial

Specificity

Human, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

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.

Purification

Immunogen affinity purified

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

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.

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