

Datasheet for ABIN1742247

**anti-NMDA 1 Receptor antibody (AA 35-53)**[Go to Product page](#)**1** Image**1** Publication

## Overview

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Quantity:            | 50 µg                                             |
| Target:              | NMDA 1 Receptor (NMDA R1)                         |
| Binding Specificity: | AA 35-53                                          |
| Reactivity:          | Human, Rat, Mouse                                 |
| Host:                | Rabbit                                            |
| Clonality:           | Polyclonal                                        |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|               |                                                                                                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | Synthetic peptide (aa 35-53 of rat GluN 1) coupled to key-hole limpet hemocyanin via an added N-terminal cysteine residue. |
| Specificity:  | Specific for GluN 1.                                                                                                       |
| Purification: | Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.                                    |

## Target Details

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Target:           | NMDA 1 Receptor (NMDA R1)                            |
| Alternative Name: | NMDA-Receptor 1 ( <a href="#">NMDA R1 Products</a> ) |

## Application Details

|                    |                                           |
|--------------------|-------------------------------------------|
| Application Notes: | WB: not recommended<br>IP: not tested yet |
|--------------------|-------------------------------------------|

## Application Details

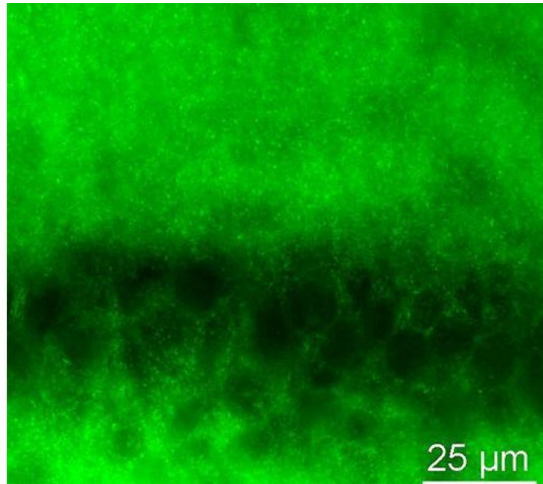
|               |                                                                                                                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | ICC: not recommended<br>IHC: 1 : 500 up to 1 : 1000                                                                                                                                                                                                                   |
| Comment:      | WB: Antibody 1, ABIN1742246, is recommended for WB. IHC: This antibody requires antigen retrieval with pepsin according to: Lorincz A & Nusser Z (2008). Cell-type-dependent molecular composition of the axon initial segment. Journal of Neuroscience 28: 14329-40. |
| Restrictions: | For Research Use only                                                                                                                                                                                                                                                 |

## Handling

|                  |                                                                                                                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Lyophilized                                                                                                                                                                                                                                                              |
| Reconstitution:  | For reconstitution add 50 µL H <sub>2</sub> O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.                                                                                                                                   |
| Buffer:          | PBS                                                                                                                                                                                                                                                                      |
| Handling Advice: | Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.                                                       |
| Storage:         | -20 °C                                                                                                                                                                                                                                                                   |
| Storage Comment: | Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed! |

## Publications

|                   |                                                                                                                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product cited in: | Bozdagi, Sakurai, Dorr, Pilorge, Takahashi, Buxbaum: "Haploinsufficiency of Cyfip1 produces fragile X-like phenotypes in mice." in: <b>PLoS ONE</b> , Vol. 7, Issue 8, pp. e42422, (2012) ( <a href="#">PubMed</a> ).                                        |
|                   | Steffen, Faix, Resch, Linkner, Wehland, Small, Rottner, Stradal: "Filopodia formation in the absence of functional WAVE- and Arp2/3-complexes." in: <b>Molecular biology of the cell</b> , Vol. 17, Issue 6, pp. 2581-91, (2006) ( <a href="#">PubMed</a> ). |



#### Immunohistochemistry

**Image 1.** Indirect immunolabeling of PFA fixed rat hippocampus (CA1) treated with pepsin prior labeling.