

## Datasheet: VPA00652

<b>Description:</b>	RABBIT ANTI NMDAR1/NR1
<b>Specificity:</b>	NMDAR1/NR1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	2% Sucrose
<b>Immunogen</b>	Synthetic peptide encompassing part of the C terminal region of human NMDAR1
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q05586</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2902</a>    GRIN1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	NMDAR1

### Specificity

**Rabbit anti Human NMDAR1/NR1 antibody** recognizes the glutamate receptor ionotropic, NMDA1, also known as N-methyl-D-aspartate (NMDA) receptor channel, subunit zeta-1, N-methyl-

D-aspartate receptor subunit NR1, NDMDAR1 or GluN1.

The protein encoded by GRIN1 gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described (provided by RefSeq, Jul 2008).

Rabbit anti Human NMDAR1/NR1 antibody detects a band of 120 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

---

<b>Western Blotting</b>	Rabbit anti NMDAR1/NR1 detects a band of approximately 120 kDa in Raji cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10045 available at: Antibody (10045): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf</a>
<b>Regulatory</b>	For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

'M370945:200529'

**Printed on 11 Aug 2020**

---

© 2020 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)