NMDA Receptor 1 ABfinity™ Recombinant Rabbit Monoclonal Antibody - Purified



Catalog no. 700685

(See product label for lot information)

 Clone/PAD:
 1H13L3

 Isotype:
 IgG

 Gene ID:
 2902

 Protein Acc. no.:
 Q05586

 Qty:
 100 μg

 Volume:
 200 μL

 Concentration:
 0.5 mg/mL

Formulation

PBS + 0.09% sodium azide

Application

For use in Western Blotting

Reactivity

This antibody is specific for Human NMDA Receptor 1

Immunogen

Recombinant protein corresponding to amino acids 834–938 of human NMDA Receptor 1

Expected Reactivity

Based on sequence identity and similarity, reactivity to Rat and Mouse is predicted.

Storage

2–8°C for up to 1 month, –20°C for long term storage. Avoid repeated freezing and thawing.

Expiration Date

Expires one year from date of receipt when stored as instructed.

Background

NMDA Receptor 1 (N-methyl-D-aspartate receptor 1) which belongs to the glutamate receptor channel superfamily, in humans is encoded by gene GRIN1 (Glutamate [NMDA] receptor subunit zeta-1) located on chromosome 9q34.3.(1). Different NRI subunits are expressed by splicing of the GRINI gene sequence (2). Glutamate receptors are highly permeable to Ca+, important for controlling plasticity, memory and learning (3-5). NMDA receptors are important for the functioning of the nervous system (6).

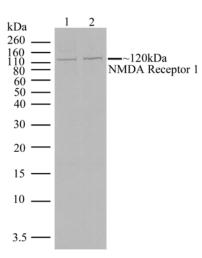
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Applications:

	Species	Test Material	Concentration
Western Blotting	Rat	Rat Brain	4–5 μg/mL

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Western Blot of NMDA Receptor 1 labeled with NMDA Receptor 1 Rabbit Recombinant Oligoclonal Antibody (Cat. no. 700685). NMDA Receptor 1 Rabbit Recombinant Monoclonal Antibody (2.5 μ g/mL) was used to label NMDA Receptor 1 in Lane 1: Rat Brain lysate (30 μ g/lane) and Lane 2: Mouse Brain lysate (30 μ g/lane). The western was performed using the WesternBreeze kit with NBT/BCIP as the substrate (Cat. no. WB7105)

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Symbol	Description	Symbol	Description		
REF	Catalogue Number	LOT	Batch code		
RUO	Research Use Only	IVD	In vitro diagnostic medical device		
X	Use by	ł	Temperature limitation		
***	Manufacturer	EC REP	European Community authorised representative		
[-]	Without, does not contain	[+]	With, contains		
from Light	Protect from light	<u> </u>	Consult accompanying documents		
\prod_i	Directs the user to consult instructions for use (IFU), accompanying the product.				

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