

Product datasheet

Anti-NMDAR2B (phospho S1303) antibody [EP1858Y] - BSA and Azide free ab239897

Recombinant RabMAb

1 Image

Overview

Product name	Anti-NMDAR2B (phospho S1303) antibody [EP1858Y] - BSA and Azide free
Description	Rabbit monoclonal [EP1858Y] to NMDAR2B (phospho S1303) - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC, Dot blot, WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human NMDAR2B. The exact sequence is proprietary.
General notes	Ab239897 is the carrier-free version of ab81271 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab239897 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP1858Y
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab239897** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

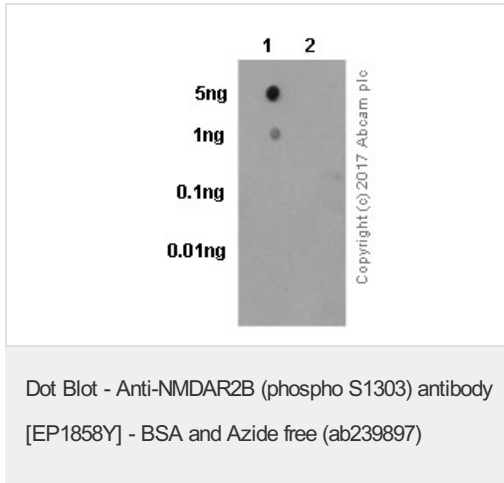
Application	Abreviews	Notes
ICC		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 166 kDa.

Application notes Is unsuitable for IHC-P or IP.

Target

Function	NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.
Tissue specificity	Primarily found in the fronto-parieto-temporal cortex and hippocampus pyramidal cells, lower expression in the basal ganglia.
Sequence similarities	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2B/GRIN2B subfamily.
Cellular localization	Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

Images



Dot blot analysis of NMDAR2B (phospho S1303) phospho peptide (Lane 1) and NMDAR2B non-phospho peptide (Lane 2) labelling NMDAR2B (phospho S1303) with [ab81271](#) at a dilution of 1/1000. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) was used as the secondary antibody at a dilution of 1/20,000 dilution. Blocking buffer: 5% NFDm/TBST. Dilution buffer: 5% NFDm /TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab81271](#)).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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