

Product datasheet

Anti-NR1D1 (phospho S55 + S59) antibody [EPR18346-44] - BSA and Azide free ab251057

Recombinant RabMAb

3 Images

Overview

Product name	Anti-NR1D1 (phospho S55 + S59) antibody [EPR18346-44] - BSA and Azide free
Description	Rabbit monoclonal [EPR18346-44] to NR1D1 (phospho S55 + S59) - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human NR1D1 aa 50-150 (phospho S55 + S59). The exact sequence is proprietary. Database link: P20393
Positive control	WB: 293T transfected with NR1D1 expression vector containing a GFP-tag®, whole cell lysate
General notes	Ab251057 is the carrier-free version of ab191218 . 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.

ab251057 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](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next

breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR18346-44
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab251057** in the following tested applications.

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

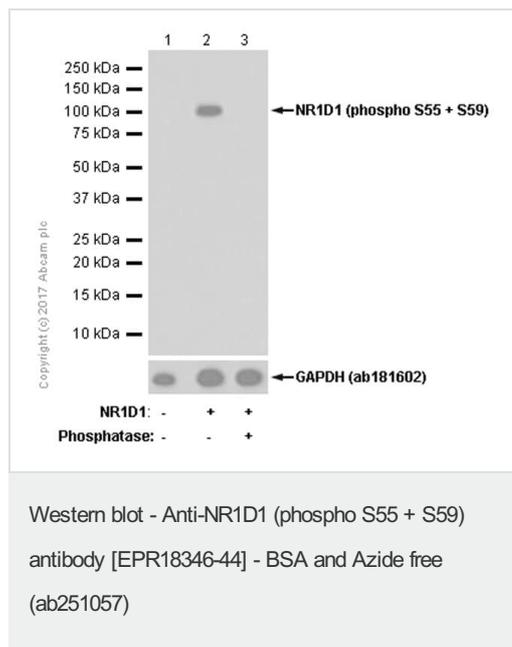
Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 100 kDa (predicted molecular weight: 67 kDa).

Target

Function Functions as a constitutive transcriptional repressor. Possible receptor for triiodothyronine.

Tissue specificity	Expressed in all tissues and cell lines examined. Expressed at high levels in some squamous carcinoma cell lines.
Sequence similarities	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Domain	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
Cellular localization	Nucleus.

Images



All lanes : Anti-NR1D1 (phospho S55 + S59) antibody [EPR18346-44] ([ab191218](#)) at 1/5000 dilution (Purified)

Lane 1 : 293T (Human embryonic kidney epithelial cell) transfected with an empty vector (vector control) containing a GFP-tag®, whole cell lysate

Lane 2 : 293T (Human embryonic kidney epithelial cell) transfected with NR1D1 expression vector containing a GFP-tag®, whole cell lysate

Lane 3 : 293T (Human embryonic kidney epithelial cell) transfected with NR1D1 expression vector containing a GFP-tag® whole cell lysate, then the membrane treated with Phosphatase for 1 hour

Lysates/proteins at 15 µg per lane.

Secondary

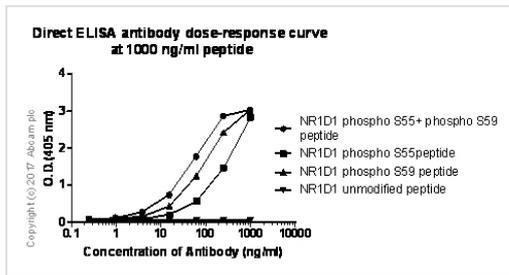
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 67 kDa

Observed band size: 100 kDa

[why is the actual band size different from the predicted?](#)

This data was developed using [ab191218](#), the same antibody clone in a different buffer formulation.



ELISA - Anti-NR1D1 (phospho S55 + S59) antibody
[EPR18346-44] - BSA and Azide free (ab251057)

This data was developed using [ab191218](#), the same antibody clone in a different buffer formulation.

Direct ELISA analysis of [ab191218](#) (0-1000 ng/ml) using the following antigens: NR1D1 phospho S55 + phospho S59 peptide, NR1D1 phospho S55 peptide, NR1D1 phospho S59 peptide and NR1D1 unmodified peptide at 1000 ng/ml. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 was used as secondary antibody.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-NR1D1 (phospho S55 + S59) antibody
[EPR18346-44] - BSA and Azide free (ab251057)

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

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- Response to your inquiry within 24 hours
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