

Product datasheet

Anti-NR2E1/Tailless/TLX antibody [EPR4491] - BSA and Azide free ab247783

Recombinant RabMAb

3 Images

Overview

Product name	Anti-NR2E1/Tailless/TLX antibody [EPR4491] - BSA and Azide free
Description	Rabbit monoclonal [EPR4491] to NR2E1/Tailless/TLX - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human NR2E1/Tailless/TLX aa 1-100. The exact sequence is proprietary. Database link: Q9Y466
General notes	<p>Ab247783 is the carrier-free version of ab109179. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>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.</p> <p>ab247783 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.</p> <p><i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next</p>

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.

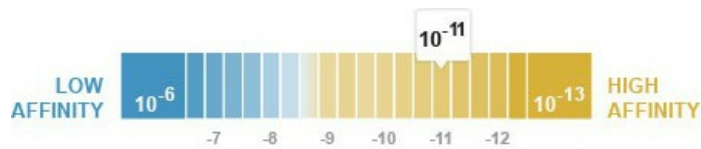
We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

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.
Dissociation constant (K_D)	K _D = 9.30 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR4491
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab247783** 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
WB		Use at an assay dependent concentration. Predicted molecular weight: 43 kDa.

Application notes

Is unsuitable for Flow Cyt, ICC, IHC-P or IP.

Target

Function

Orphan receptor that binds DNA as a monomer to hormone response elements (HRE) containing an extended core motif half-site sequence 5'-AAGGTCA-3' in which the 5' flanking nucleotides participate in determining receptor specificity. May be required for brain development. May be involved in the regulation of retinal development.

Tissue specificity

Brain specific. Present in all brain sections tested, highest levels in the caudate nucleus and hippocampus, weakest levels in the thalamus.

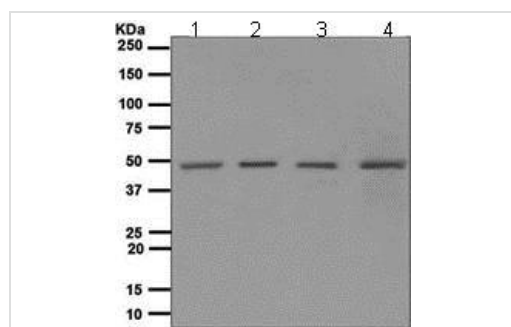
Sequence similarities

Belongs to the nuclear hormone receptor family. NR2 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

Cellular localization

Nucleus.

Images



Western blot - Anti-NR2E1/Tailless/TLX antibody [EPR4491] - BSA and Azide free (ab247783)

All lanes : Anti-NR2E1/Tailless/TLX antibody [EPR4491] ([ab109179](#)) at 1/1000 dilution

Lane 1 : Fetal brain lysate

Lane 2 : Human hippocampus lysate

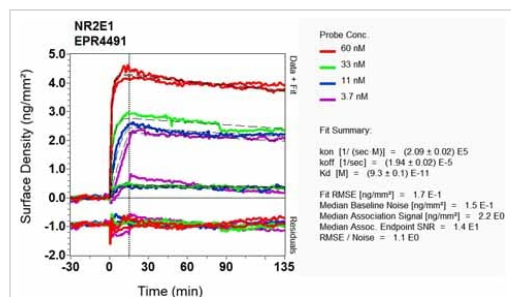
Lane 3 : SH-SY5Y lysate

Lane 4 : Jurkat lysate

Lysates/proteins at 10 μ g per lane.

Predicted band size: 43 kDa

This data was developed using [ab109179](#), the same antibody clone in a different buffer formulation.



OIR-D Scanning - Anti-NR2E1/Tailless/TLX antibody [EPR4491] - BSA and Azide free (ab247783)

This data was developed using [ab109179](#), the same antibody clone in a different buffer formulation.

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-NR2E1/Tailless/TLX antibody [EPR4491] - BSA and Azide free (ab247783)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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