

Product datasheet

Anti-NR1D1 antibody [EPR10376] ab174309

Recombinant RabMAb

★★★★☆ 6 Abreviews 12 References 6 Images

Overview

Product name	Anti-NR1D1 antibody [EPR10376]
Description	Rabbit monoclonal [EPR10376] to NR1D1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, Flow Cyt, IHC-P, WB Unsuitable for: IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human NR1D1 aa 550 to the C-terminus (Cysteine residue). The exact sequence is proprietary. Database link: P20393
Positive control	Y79, HeLa, HepG2 and Jurkat cell lysates; Colon carcinoma tissue; Uterus tissue; HeLa cells
General notes	

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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR10376
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab174309** 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/IF	★★★★★	1/100 - 1/250.
Flow Cyt		1/20.
IHC-P	★★★★☆	1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★☆	1/1000 - 1/5000. Predicted molecular weight: 67 kDa.

Application notes Is unsuitable for IP.

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

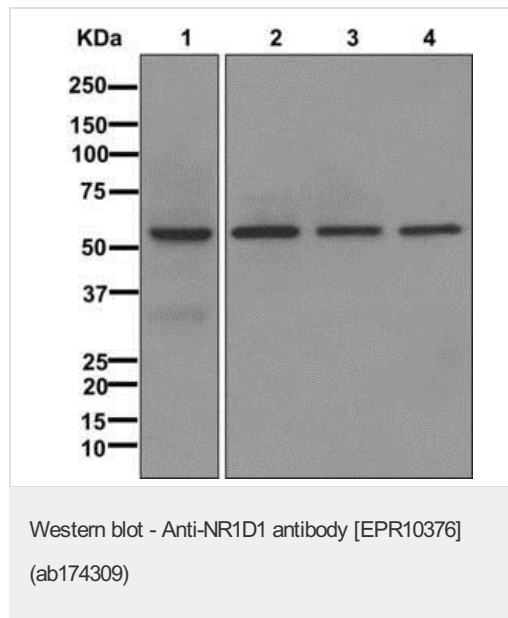
Belongs to the nuclear hormone receptor family. NR1 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

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 antibody [EPR10376] (ab174309) at 1/1000 dilution

Lane 1 : Y79 cell lysate

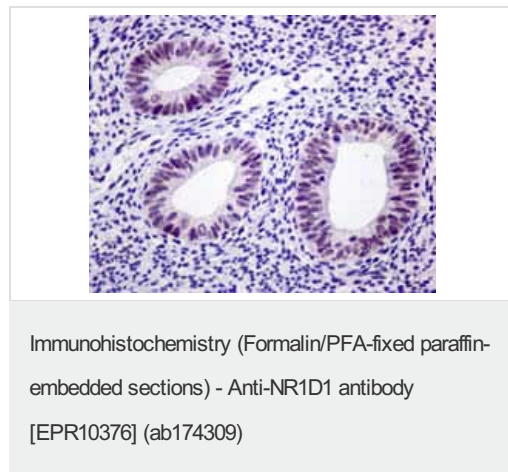
Lane 2 : HeLa cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : Jurkat cell lysate

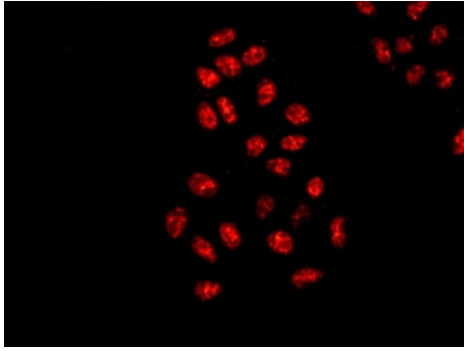
Lysates/proteins at 10 µg per lane.

Predicted band size: 67 kDa



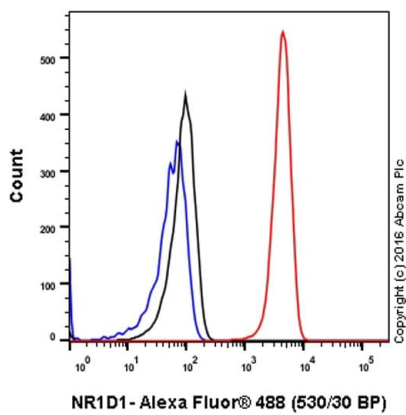
Immunohistochemical analysis of paraffin-embedded human uterus tissue labeling NR1D1 with ab174309 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



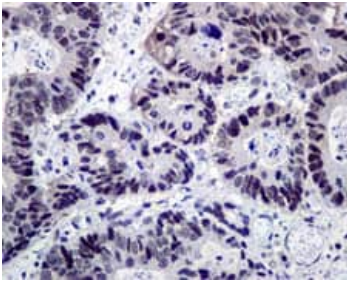
Immunocytochemistry/ Immunofluorescence - Anti-NR1D1 antibody [EPR10376] (ab174309)

Immunofluorescent analysis of HeLa cells labeling NR1D1 with ab174309 at 1/100 dilution.



Flow Cytometry - Anti-NR1D1 antibody [EPR10376] (ab174309)

Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling NR1D1 with ab174309 at 1/20 dilution (10ug/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NR1D1 antibody [EPR10376] (ab174309)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue labeling NR1D1 with ab174309 at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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-NR1D1 antibody [EPR10376] (ab174309)

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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