

Product datasheet

Anti-ROR beta/RORB antibody [EPR15552] - N-terminal ab187657

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [4 Images](#)

Overview

Product name	Anti-ROR beta/RORB antibody [EPR15552] - N-terminal
Description	Rabbit monoclonal [EPR15552] to ROR beta/RORB - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HepG2 whole cell lysate (ab7900) and human cerebellum tissue lysate; ICC/IF: Mouse primary neural/glia cells.
General notes	<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>

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15552

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab187657 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		1/1000 - 1/2000. Predicted molecular weight: 53 kDa.
ICC/IF		1/1000.

Target

Function

Orphan nuclear receptor required for normal postnatal development of rod and cone photoreceptor cells. Regulates transcription of OPN1SW in cone photoreceptor cells by binding the sequence 5'-AGGTCA-3' in the OPN1SW promoter.

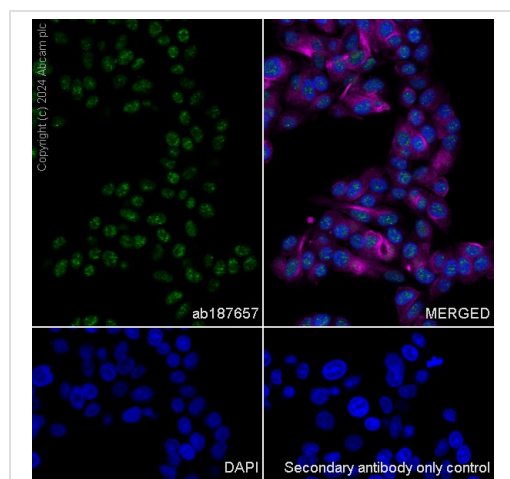
Sequence similarities

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

Cellular localization

Nucleus.

Images



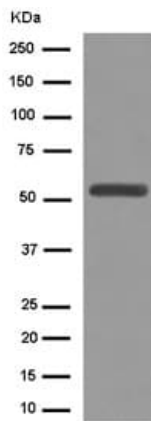
Immunocytochemistry/ Immunofluorescence - Anti-ROR beta/RORB antibody [EPR15552] - N-terminal (ab187657)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% TritonX-100 permeabilized HepG2 (human hepatocellular carcinoma epithelial cell) labelling ROR beta/RORB with ab187657 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488 (**ab150077**) secondary antibody at 1/1000 dilution (green).

Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594) (**ab195889**) at 1/200 dilution was used as a counterstain (red).

The nuclear counterstain is DAPI (blue).

Confocal image showing nuclear staining in HepG2 cell line. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



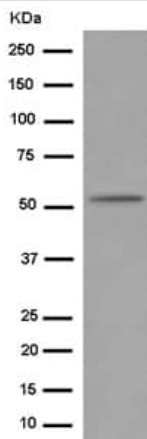
Western blot - Anti-ROR beta/RORB antibody [EPR15552] - N-terminal (ab187657)

Anti-ROR beta/RORB antibody [EPR15552] - N-terminal (ab187657) at 1/1000 dilution + HepG2 cell lysate at 20 μ g

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 53 kDa



Western blot - Anti-ROR beta/RORB antibody [EPR15552] - N-terminal (ab187657)

Anti-ROR beta/RORB antibody [EPR15552] - N-terminal (ab187657) at 1/1000 dilution + Human cerebellum tissue lysate at 10 μ g

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 53 kDa

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-ROR beta/RORB antibody [EPR15552] - N-terminal (ab187657)

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

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