

Datasheet for ABIN1049297  
**anti-RORB antibody (Hinge Region)**

## 2 Images

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 50 µg   |
| Target:              | RORB  |
| Binding Specificity: | Hinge Region  |
| Reactivity:          | Human, Mouse, Rat, Horse, Cow, Rabbit, Dog, Sheep, Monkey, Bat, Chicken, Hamster        |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Application:         | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |   |
|-----------------------|---|
| Brand:                | IHC-plus™   |
| Immunogen:            | <p>Synthetic 18 amino acid peptide from hinge domain of human ROR Beta. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Sheep, Hamster, Panda, Bovine, Dog, Bat, Horse, Rabbit, Opossum, Chicken, Platypus, Lizard (100%), Elephant, Xenopus (94%), Zebrafish (83%).</p> <p>Type of Immunogen: Synthetic peptide</p> |
| Specificity:          | Human ROR Beta. BLAST analysis of the peptide immunogen showed no homology with other human proteins.   |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Sheep, Hamster, Panda, Bovine, Dog, Bat, Horse, Rabbit, Opossum, Chicken, Platypus, Lizard (100%) Elephant, Xenopus (94%) Zebrafish (83%).   |

## Product Details

Purification: Immunoaffinity purified

## Target Details

Target: RORB

Alternative Name: RORB / ROR beta ([RORB Products](#))

Background: Name/Gene ID: RORB  
Subfamily: NR1 Thyroid hormone-like  
Family: NHR  
  
Synonyms: RORB, BA133M9.1, Nuclear receptor ROR-beta, NR1F2, ROR Beta, ROR-BETA, Rorbeta, RZR-BETA, Nuclear receptor RZR-beta, RAR-related orphan receptor B, RZRB

Gene ID: 6096

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

## Application Details

Application Notes: Approved: IHC, IHC-P (20 µg/mL)

Comment: Target Species of Antibody: Human

Assay Procedure: **The IHC-pro Immunohistochemistry Protocol**

### Tissue Preparation

Formalin fixation and embedding in paraffin wax

### Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

### Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

### Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

### Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

### Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

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|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

### Handling

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|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|                |              |
|----------------|--------------|
| Concentration: | Lot specific |
|----------------|--------------|

|         |                                    |
|---------|------------------------------------|
| Buffer: | PBS, less than 0.1 % sodium azide. |
|---------|------------------------------------|

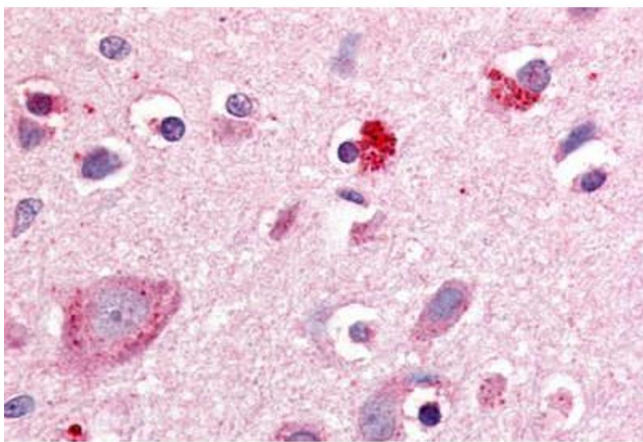
|               |              |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

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## Handling

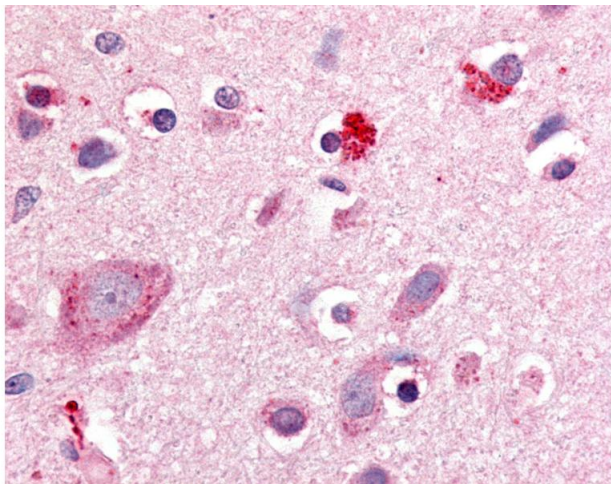
|                    |   |
|--------------------|---|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                      |
| Storage:           | 4 °C,-20 °C   |
| Storage Comment:   | Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles. |
| Expiry Date:       | 12 months   |

## Images



### Immunohistochemistry

**Image 1.** Anti-ROR Beta antibody ABIN1049297 IHC staining of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



### Immunohistochemistry

**Image 2.** Anti-ROR Beta antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.