

Datasheet for ABIN1048334

anti-AVPR1B antibody (Cytoplasmic Domain)**2** Images[Go to Product page](#)

Overview

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|----------------------|---|
| Quantity: | 50 µg |
| Target: | AVPR1B |
| Binding Specificity: | Cytoplasmic Domain |
| Reactivity: | Human, Monkey |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Brand: | IHC-plus™ |
| Immunogen: | Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human AVPR1B. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%), Marmoset, Elephant, Bat, Pig (88%). Type of Immunogen: Synthetic peptide |
| Specificity: | Human AVPR1B. 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 (100%) Marmoset, Elephant, Bat, Pig (88%). |
| Purification: | Immunoaffinity purified |

Target Details

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| Target: | AVPR1B |
| Alternative Name: | AVPR1B (AVPR1B Products) |
| Background: | Name/Gene ID: AVPR1B Subfamily: Vasopressin/oxytocin Family: GPCR Synonyms: AVPR1B, AVPR3, V1bR, AVPR V1b, AVPR V3, V1b receptor, V1b vasopressin receptor, Vasopressin V1b receptor, Vasopressin V3 receptor, VPR3 |
| Gene ID: | 553 |
| Pathways: | Regulation of Systemic Arterial Blood Pressure by Hormones |

Application Details

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| Application Notes: | Approved: IHC, IHC-P (2 - 10 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 |
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Handling

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|---------|--------|
| Format: | Liquid |
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| Concentration: | Lot specific |
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|---------|------------------------------------|
| Buffer: | PBS, less than 0.1 % sodium azide. |
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|---------------|--------------|
| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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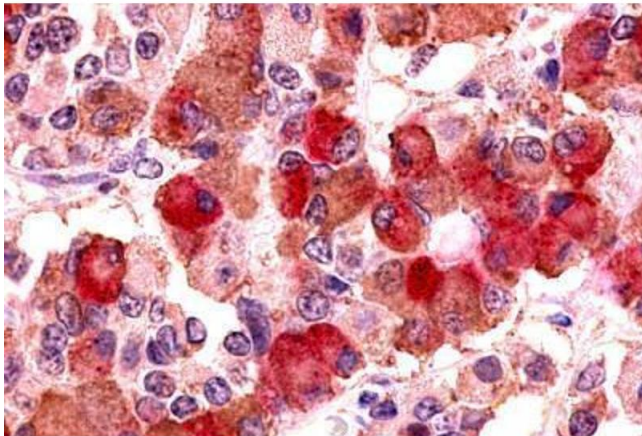
Handling

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.

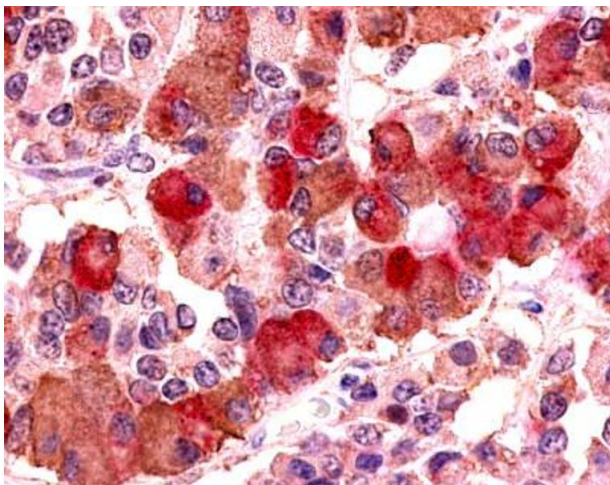
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Anti-AVPR1B antibody ABIN1048334 IHC staining of human pituitary, anterior. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-AVPR1B antibody IHC of human pituitary, anterior. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.