

Datasheet for ABIN1048309  
**anti-ADRA1B antibody (C-Term)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	50 µg
Target:	ADRA1B
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Hamster, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA1B antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 20 amino acid peptide from C-terminus of human ADRA1B. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset, Mouse, Rat, Hamster, Bovine, Dog (100%), Elephant (90%), Bat (85%), Opossum, Platypus (80%).  Type of Immunogen: Synthetic peptide
Specificity:	Human ADRA1B. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PLEKHG5 (45 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset, Mouse, Rat, Hamster, Bovine, Dog (100%) Elephant (90%) Bat (85%) Opossum, Platypus (80%).
Purification:	Immunoaffinity purified

## Target Details

---

Target:	ADRA1B
Alternative Name:	ADRA1B ( <a href="#">ADRA1B Products</a> )
Background:	Name/Gene ID: ADRA1B Subfamily: Adrenergic Family: GPCR  Synonyms: ADRA1B, Alpha 1b, Alpha-1B adrenergic receptor, Alpha-1b-adrenergic, Alpha-1B-adrenergic receptor, Alpha1b, Adrenoceptor alpha 1B, Alpha-1B adrenoreceptor, Alpha1B-AR, Alpha1beta-AR, ALPHA1BAR, ADRA1, Alpha-1B adrenoceptor, Alpha1b-adrenergic
Gene ID:	147
Pathways:	<a href="#">AMPK Signaling</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

---

Application Notes:	Approved: IHC, IHC-P (11 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	<b>The IHC-pro Immunohistochemistry Protocol</b>

### **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

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: Lot specific

Buffer: PBS, less than 0.1 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

---

## Handling

---

should be handled by trained staff only.

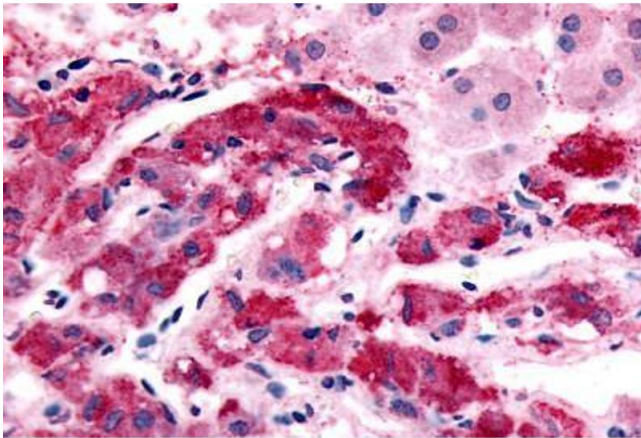
Storage: 4 °C,-20 °C

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-ADRA1B antibody ABIN1048309 IHC staining of human adrenal, medulla. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.