

Datasheet for ABIN1048311  
**anti-ADRA1D antibody (Cytoplasmic Domain)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	ADRA1D
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Dog, Horse, Cow, Rabbit, Monkey, Pig, Bat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human ADRA1D. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset, Bovine, Dog, Bat, Panda, Horse, Rabbit, Pig (100%), Mouse, Rat, Sheep, Hamster (90%).  Type of Immunogen: Synthetic peptide
Specificity:	Human ADRA1D. 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, Monkey, Marmoset, Bovine, Dog, Bat, Panda, Horse, Rabbit, Pig (100%) Mouse, Rat, Sheep, Hamster (90%).
Purification:	Immunoaffinity purified

## Target Details

Target:	ADRA1D
Alternative Name:	ADRA1D ( <a href="#">ADRA1D Products</a> )
Background:	<p>Name/Gene ID: ADRA1D</p> <p>Subfamily: Adrenergic</p> <p>Family: GPCR</p> <p>Synonyms: ADRA1D, Alpha 1d, Alpha-1D adrenergic receptor, ADRA1R, Alpha-1D adrenoceptor, Alpha-1D adrenoreceptor, ALPHA1, Alpha-1D-adrenergic receptor, Alpha-adrenergic receptor 1a, Alpha1delta-AR, DAR, ADRA1, Adrenoceptor alpha 1D, Alpha-1A adrenergic receptor, DJ779E11.2</p>
Gene ID:	146

## Application Details

Application Notes:	Approved: IHC, IHC-P (1 - 3 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
---------------	--------------

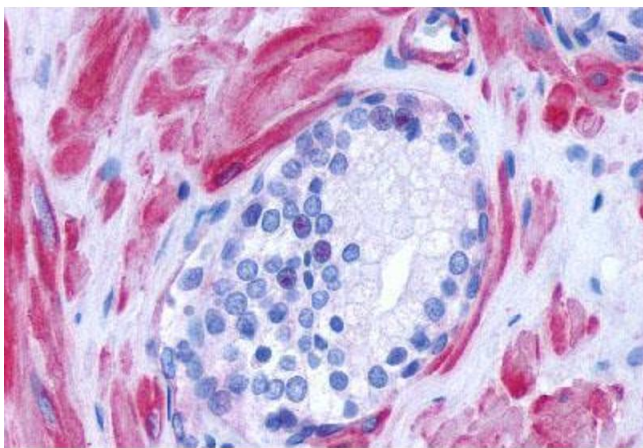
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
--------------------	---

---

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-ADRA1D antibody ABIN1048311 IHC staining of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.