

Datasheet for ABIN1048320
anti-ADRB3 antibody (N-Term)

2 Images

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	ADRB3
Binding Specificity:	N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	<p>Synthetic 20 amino acid peptide from N-terminal extracellular domain of human ADRB3.</p> <p>Percent identity with other species by BLAST analysis: Human, Gorilla (100%), Gibbon (95%), Guinea pig (90%), Monkey, Elephant, Rabbit (85%), Sheep, Goat, Hamster, Cat, Bovine, Horse (80%).</p> <p>Type of Immunogen: Synthetic peptide</p>
Specificity:	Human ADRB3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	<p>Percent identity with other species by BLAST analysis: Human, Gorilla (100%) Gibbon (95%) Guinea pig (90%) Monkey, Elephant, Rabbit (85%) Sheep, Goat, Hamster, Cat, Bovine, Horse (80%).</p>

Product Details

Purification: Immunoaffinity purified

Target Details

Target: ADRB3

Alternative Name: ADRB3 ([ADRB3 Products](#))

Background: Name/Gene ID: ADRB3

Subfamily: Adrenergic

Family: GPCR

Synonyms: ADRB3, Adrenoceptor beta 3, ADRB3R, Adrenaline beta 3 receptor, Adrenergic, beta-3-, receptor, Beta-3 adrenergic receptor, B3AR, Beta-3 adrenoceptor, Beta3-AR, Beta-3 adrenoreceptor, BETA3AR

Gene ID: 155

Pathways: [cAMP Metabolic Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Feeding Behaviour](#), [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: Approved: IHC, IHC-P (17 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

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

Handling

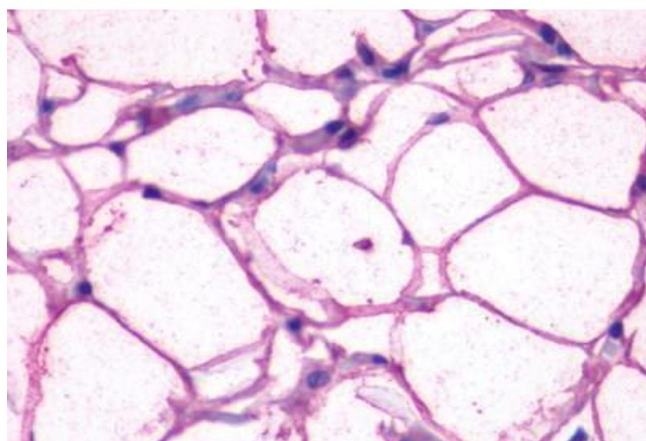
Format:	Liquid
---------	--------

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

Handling

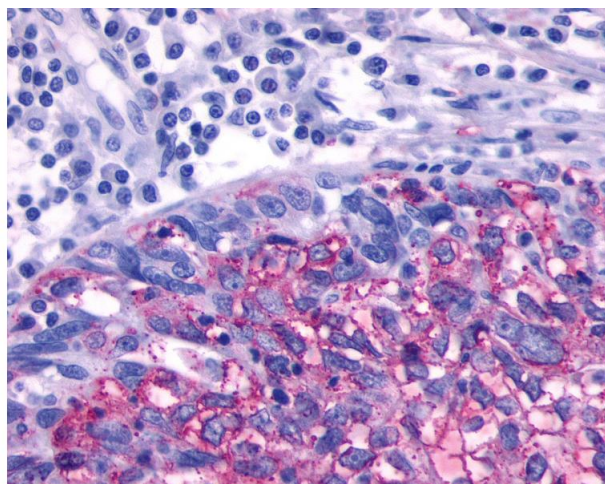
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 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-ADRB3 antibody ABIN1048320 IHC staining of human adipose. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-ADRB3 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.