

Datasheet for ABIN1048557
anti-EDNRB antibody (N-Term)



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3 Images

Overview

Quantity:	50 µg
Target:	EDNRB
Binding Specificity:	N-Term
Reactivity:	Human, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EDNRB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 19 amino acid peptide from N-terminal extracellular domain of human EDNRB. Percent identity with other species by BLAST analysis: Human, Dog (100%), Gorilla, Gibbon (95%), Monkey (89%), Marmoset (84%). Type of Immunogen: Synthetic peptide
Specificity:	Human EDNRB. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PTPN5 (68 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Dog (100%) Gorilla, Gibbon (95%) Monkey (89%) Marmoset (84%).

Product Details

Purification: Immunoaffinity purified

Target Details

Target: EDNRB

Alternative Name: EDNRB / Endothelin B Receptor ([EDNRB Products](#))

Background: Name/Gene ID: EDNRB

Subfamily: Endothelin

Family: GPCR

Synonyms: EDNRB, ABCDS, Endothelin B receptor, Etb receptor, ET-B, Et-b receptor, Et-b-r, ET-RB, ETBR, ETRB, Etb-svr, WS4A, Endothelin receptor type B, ET-BR, ETB, HSCR, HSCR2

Gene ID: 1910

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [cAMP Metabolic Process](#)

Application Details

Application Notes: Approved: ICC, IHC, IHC-P (4 - 11 µg/mL), WB

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

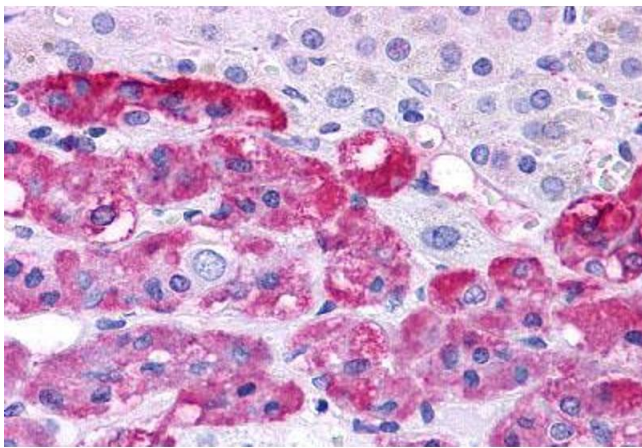
Buffer: PBS, less than 0.1 % sodium azide.

Preservative: Sodium azide

Handling

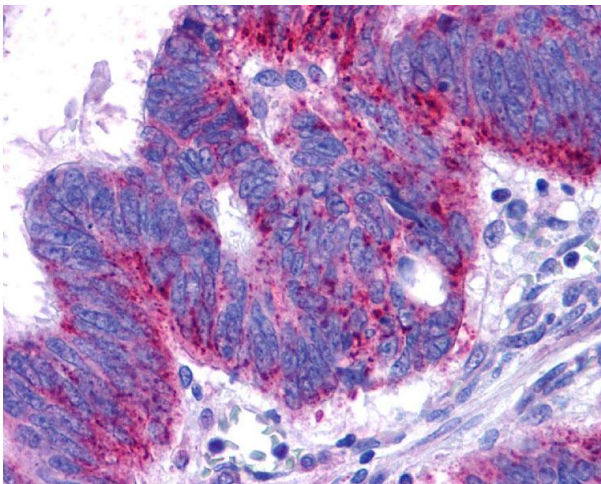
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw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

Images



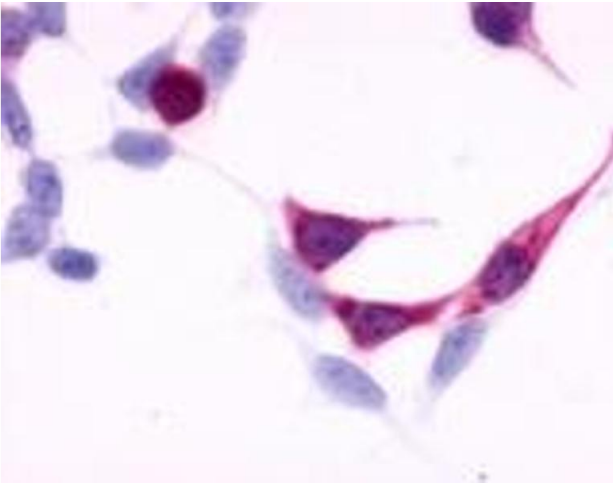
Immunohistochemistry

Image 1. Anti-EDNRB antibody ABIN1048557 IHC staining of human adrenal, medulla. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-EDNRB / Endothelin B Receptor antibody IHC of human Colon, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunocytochemistry

Image 3. Anti-EDNRB antibody immunocytochemistry (ICC) staining of HEK293 human embryonic kidney cells transfected with EDNRB.