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Datasheet for ABIN7043120

## anti-EDNRB antibody (3rd Intracellular Loop)

### 3 Images

#### Overview

Quantity:	25 µL
Target:	EDNRB
Binding Specificity:	3rd Intracellular Loop, AA 298-314
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EDNRB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CEMLRKKSGMQIALND, corresponding to amino acid residues 298-314 of rat ET-B
Isotype:	IgG
Characteristics:	Anti-Endothelin Receptor B Antibody (ABIN7043120, ABIN7044240 and ABIN7044241)) is a highly specific antibody directed against an epitope of rat ET-B. The antibody can be used in western blot, immunocytochemistry, immunohistochemistry, and indirect flow cytometry applications. It has been designed to recognize ET-B from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

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Target:	EDNRB
Alternative Name:	Endothelin Receptor B ( <a href="#">EDNRB Products</a> )
Background:	Alternative names: Endothelin Receptor B, EDNRB, ET-B, ETB, ETRB, Endothelin B receptor, Endothelin receptor non-selective type
Gene ID:	50672
NCBI Accession:	<a href="#">NM_000115</a>
UniProt:	<a href="#">P21451</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin, cAMP Metabolic Process</a>

## Application Details

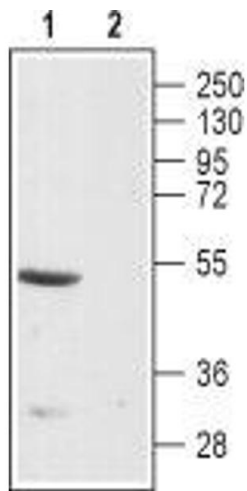
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

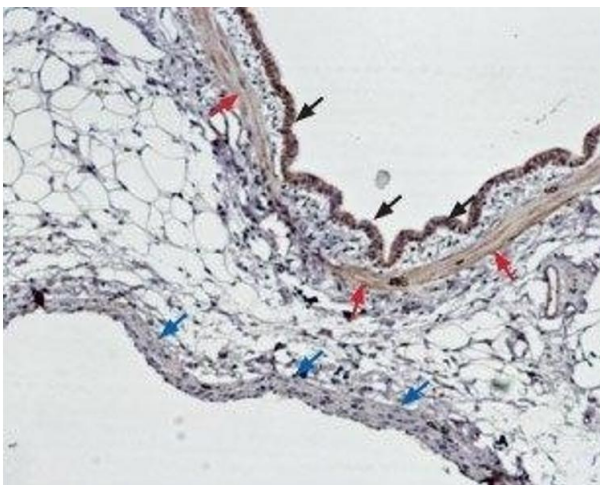
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Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	1 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



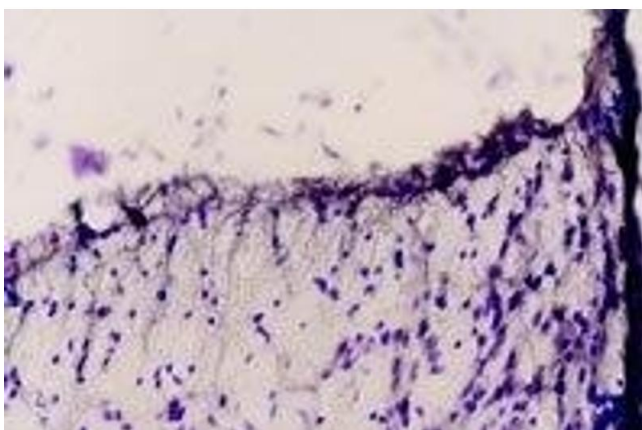
### Western Blotting

**Image 1.** Western blot analysis of rat brain membranes: - 1. Anti-Endothelin Receptor B Antibody (ABIN7043120, ABIN7044240 and ABIN7044241), (1:200). 2. Anti-Endothelin Receptor B Antibody, preincubated with Endothelin Receptor B Blocking Peptide (#BLP-ER002).



### Immunohistochemistry

**Image 2.** Expression of EDNRB in rat lung - Immunohistochemical staining of paraffin embedded section of rat lung using Anti-Endothelin Receptor B Antibody (ABIN7043120, ABIN7044240 and ABIN7044241) (1:100). EDNRB is expressed both in respiratory epithelium (black arrows) and in respiratory smooth muscle (red arrows). Note that vascular smooth muscle is not stained (blue arrows). Hematoxylin is used as the counterstain.



### Immunohistochemistry

**Image 3.** Expression of EDNRB in rat thalamus - Immunohistochemical staining of rat dorsal peri-ventricular thalamus using Anti-Endothelin Receptor B Antibody (ABIN7043120, ABIN7044240 and ABIN7044241). Cresyl violet is used as the counterstain.