

For Research Use Only

# EDNRB Polyclonal antibody

Catalog Number: 20964-1-AP

7 Publications



## Basic Information

### Catalog Number:

20964-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_000115

### GeneID (NCBI):

1910

### UNIPROT ID:

P24530

### Full Name:

endothelin receptor type B

### Calculated MW:

50 kDa

### Observed MW:

53-60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293 cells, mouse placenta tissue, human placenta tissue

IHC : human placenta tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

EDNRB (endothelin receptor type B) is a G-protein coupled heptahelical endothelin-1 (EDN1) receptor. EDN1, a known mediator of human myometrial contraction in vitro, belongs to a family of three 21-amino acid isopeptides (PMID:18497345). EDNRB is a 442-residue protein expressed post-natally in many tissues, particularly in the myenteric plexus, mucosal layer, ganglia, and blood vessels of the submucosa of the colon (PMID:11434563). Moreover, Both the EDNRA and EDNRB are expressed in ships and can be bound by EDN1. Still, while EDNRA mediates a constrictive effect, EDNRB is involved in vasorelaxation and functions as a clearance receptor that scavenges circulating EDN1 (PMID:30171849).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xuhong Zhang	36418970	BMC Ophthalmol	WB
Juliano T Freitas	34288510	Pigment Cell Melanoma Res	IF,FC
Zhong-San Zeng	30663067	J Pharm Pharmacol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

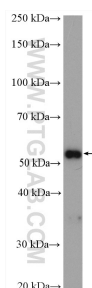
For technical support and original validation data for this product please contact:

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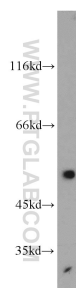
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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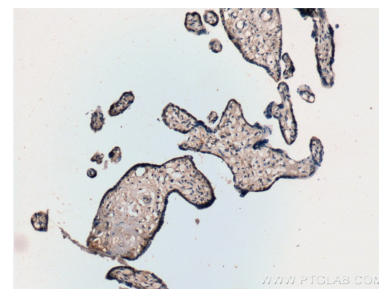
## Selected Validation Data



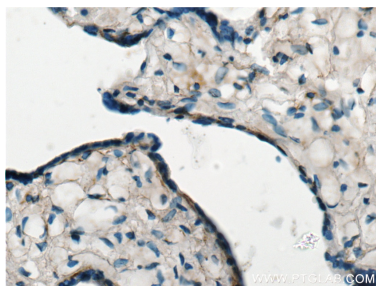
HEK-293 cells were subjected to SDS PAGE followed by western blot with 20964-1-AP (EDNRB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



mouse placenta tissue were subjected to SDS PAGE followed by western blot with 20964-1-AP (EDNRB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 20964-1-AP (EDNRB Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 20964-1-AP (EDNRB Antibody) at dilution of 1:50 (under 40x lens).