

For Research Use Only

EDNRB Recombinant antibody

Catalog Number: 82818-2-RR



Basic Information

Catalog Number:

82818-2-RR

Size:

500 µg/ml

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:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

102

Recommended Dilutions:

WB 1:1000-1:5000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, mouse brain tissue, mouse cerebellum tissue, rat brain tissue

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 vessels and can be bound by EDN1, but while EDNRA mediates a constrictive effect, EDNRB is involved in vasorelaxation and functions as a clearance receptor that scavenges circulating EDN1 (PMID:30171849).

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

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

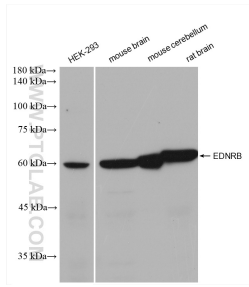
T: 4006900926

E: Proteintech-CN@ptglab.com

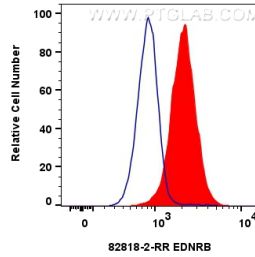
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82818-2-RR (EDNRB antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



1x10⁶ Raji cells were intracellularly stained with 0.25 ug EDNRB Recombinant antibody (82818-2-RR, Clone:1O2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).