

For Research Use Only

EDNRB Recombinant antibody

Catalog Number: 82818-2-RR



Basic Information

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|---------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------|
| Catalog Number: 82818-2-RR | GenBank Accession Number: NM_000115 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 500 µg/ml by Nanodrop; | GeneID (NCBI): 1910 | CloneNo.: 102 |
| Source: Rabbit | UNIPROT ID: P24530 | Recommended Dilutions: WB 1:1000-1:5000 |
| Isotype: IgG | Full Name: endothelin receptor type B | |
| | Calculated MW: 50 kDa | |
| | Observed MW: 60 kDa | |

Applications

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|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Tested Applications: WB, ELISA | Positive Controls: WB : HEK-293 cells, mouse brain tissue, mouse cerebellum tissue, rat brain tissue |
| Species Specificity: Human, mouse, rat | |

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

*** 20ul sizes contain 0.1% BSA

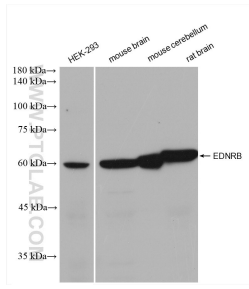
For technical support and original validation data for this product please contact:

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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.