

For Research Use Only

EDNRB Recombinant antibody

Catalog Number: 82818-2-RR



Basic Information

Catalog Number: 82818-2-RR	GenBank Accession Number: NM_000115	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 ug/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

Tested Applications: WB, FC (Intra), 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

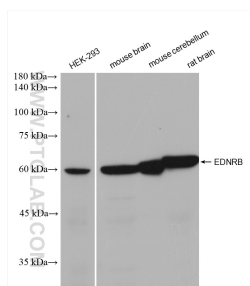
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

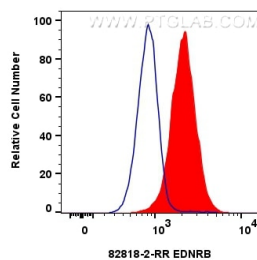
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



1×10^6 Raji cells were intracellularly stained with 0.25 μ g EDNRB Recombinant antibody (82818-2-RR, Clone:1O2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).