



Anti-EDNRB (C-terminal) polyclonal antibody (CPBT-65130SR)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product specifically recognises an epitope within the C-terminal (CT) region of endothelin B receptor (ET-B), a widely distributed transmembrane protein and member of the G-protein coupled receptor 1 family, which acts as a non-specific receptor for endothelin 1, 2, and 3, and mediates its action by G protein association and activation of a phosphatidylinositol-calcium second messenger system. recognizes epitopes on the cytoplasmic side of the receptor and therefore the cell membrane must be permeable to the antibody. does not block the binding of endothelins. is reported as suitable for use in immunocytochemistry on acetone fixed cells.

Specificity	EDNRB
Immunogen	Keyhole limpet haemocyanin (KLH) conjugated C-terminal peptide KANDHGYDNFRSSNN corresponding to amino acids 424 to 437 of rat endothelin B receptor.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Rat, Human, Mouse
Conjugate	Unconjugated
Applications	IF; IP; IHC-P
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Ednrb endothelin receptor type B [Rattus norvegicus (Norway rat)]
Official Symbol	EDNRB
Synonyms	EDNRB; endothelin receptor type B; Etb; Ednra; endothelin B receptor; ET-B; ET-BR; endothelin-B receptor; endothelin receptor non-selective type;
Entrez Gene ID	50672
Protein Refseq	NP_059029
UniProt ID	P48302
Chromosome Location	15q21-q22
Pathway	Calcium signaling pathway; Class A/1 (Rhodopsin-like receptors); Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; G alpha (q) signalling events; GPCR downstream signaling; GPCR ligand binding; GPCRs, Class A Rhodopsin-like;
Function	G-protein coupled receptor activity; endothelin receptor activity; peptide hormone binding; receptor activity; type 1 angiotensin receptor binding;