



Product Information Sheet

Polyclonal Anti-Endothelin Receptor B, *EDNR-B* (Magnetic Bead Conjugate)

Catalogue No. PA1031 - M	Immunogen A synthetic peptide corresponding to a sequence at the middle region of human EDNR-B, identical to the related rat sequence.
Lot No. 10E02	Purity Immunogen affinity purified.
Ig type: rabbit IgG	Contents Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN ₃ .
Size: 100µg/vial	
Specificity Human. No cross reactivity with other proteins.	Storage Store at 4°C for frequent use.
Recommended application <i>ImmunoPrecipitation (IP)</i>	Description This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Endothelin Receptor B (EDNR-B), also called endothelin receptor, nonselective type (ETB, ETRB). It is a G-protein-coupled receptor with seven transmembrane domains which is required for the development of melanocytes and enteric neurons and migration of melanoblasts and enteric neuroblasts. The EDNRB gene spans 24 kilobases and consists of seven exons and six introns. This gene was expressed in human glaucomatous optic nerves and mapped to 13q22. The cDNA fragment for horse EDNRB contained a 1329 bp open reading frame which encoded 443 amino acid residues. The predicted amino acid sequence was 89, 91 and 85% identical to human, bovine and mouse as well as rat EDNRB respectively, but only 55% identical to the human, bovine and rat endothelin A receptor (EDNRA). EDNRB plays an essential role in the normal development of two neural crest-derived cell lineages, epidermal melanocytes and enteric neurons in three mammalian species--humans, mice, and rats. The EDNRB-deficient rat may also prove valuable in defining the postnatal physiologic role of this receptor.

REFERENCE

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