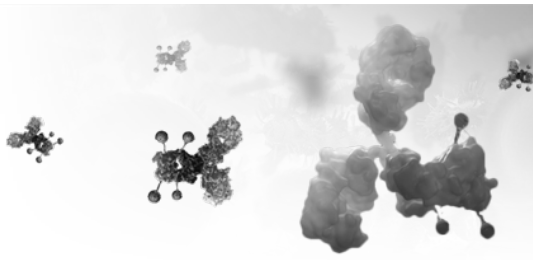

Mouse anti-Human EDN3 polyclonal antibody (DPAB-DC809)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the endothelin family. Endothelins are endothelium-derived vasoactive peptides involved in a variety of biological functions. The active form of this protein is a 21 amino acid peptide processed from the precursor protein. The active peptide is a ligand for endothelin receptor type B (EDNRB). The interaction of this endothelin with EDNRB is essential for development of neural crest-derived cell lineages, such as melanocytes and enteric neurons. Mutations in this gene and EDNRB have been associated with Hirschsprung disease (HSCR) and Waardenburg syndrome (WS), which are congenital disorders involving neural crest-derived cells. Four alternatively spliced transcript variants encoding three distinct isoforms have been observed.
Immunogen	EDN3 (AAH08876, 1 a.a. ~ 238 a.a) full-length recombinant protein with GST tag. The sequence is MEPGLWLLFGLTVTSAAGFVPCSQSGDAGRRGVSQAPTAARSEGDCEETVAGPGEETVAG PGEGTVAPTALQGPSPGSPGQEQAAEGAPEHHRSRRCTCFTYKDKECVYYCHLDIIWINT PEQTVPYGLSNYRGSFRGKRSAGPLPGNLQLSHRPHLRCACVGRYDKACLHFCTQTLDVS SNSRTAEKTDKEEEGKVEVKDQQSKQALDLHHPKLMPGSGLALAPSTCPRCLFQEGAP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	EDN3 endothelin 3 [Homo sapiens (human)]
Official Symbol	EDN3
Synonyms	EDN3; endothelin 3; ET3; ET-3; WS4B; HSCR4; PPET3; endothelin-3; preproendothelin-3;
Entrez Gene ID	1908
Protein Refseq	NP_000105
UniProt ID	P14138
Chromosome Location	20q13.2-q13.3
Pathway	Class A/1 (Rhodopsin-like receptors); G alpha (q) signalling events; GPCR ligand binding; Peptide ligand-binding receptors
Function	hormone activity; receptor binding;

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