Endothelin 1 (EDN1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Endothelin 1 (EDN1), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Endothelin 1 (EDN1)
Product Gene Name	anti-EDN1 antibody
Product Synonym Names	ET1; PPET1; Preproendothelin-1; Big endothelin-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: EDN1 (MBS2002432) PE Conjugated Antibody: EDN1 (MBS2042945)
Matching Pairs	PE Conjugated Antibody: EDN1 (MBS2042945) Immunogen: EDN1 (MBS2010595)
Molecular Weight	24,425 Da
OMIM	Y00749 mRNA
3D Structure	ModBase 3D Structure for P05305
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	EDN1 (Ser54~His202)
Conjugation	PE
Cross Reactivity	Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2002432
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-EDN1 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-EDN1 antibody	MBS2042945 is an antibody targeting EDN1. Also known as PE-Linked Polyclonal Antibody to Endothelin 1 (EDN1). Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-EDN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EDN1. It may not necessarily be applicable to this product.

NCBI GI #	269995983
NCBI GeneID	1906
NCBI Accession #	NP_001161791.1

UniProt Primary Accession #	P05305
UniProt Secondary Accession #	Q96DA1
UniProt Related Accession #	P05305
GenBank Nucleotide #	NM_001168319.1
NCBI Official Full Name	endothelin-1 isoform 2 preproprotein
NCBI Official Synonym Full Names	endothelin 1
NCBI Official Symbol	EDN1
NCBI Official Synonym Symbols	ET1; QME; PPET1; ARCND3; HDLCQ7
UniProt Protein Name	Endothelin-1
UniProt Synonym Protein Names	Preproendothelin-1; PPET1
Protein Family	Endothelin
UniProt Gene Name	EDN1
UniProt Synonym Gene Names	PPET1; ET-1
NCBI Protein Information	endothelin-1
NCBI Summary for EDN1	This gene encodes a preproprotein that is proteolytically processed to generate a secreted peptide that belongs to the endothelin/sarafotoxin family. This peptide is a potent vasoconstrictor and its cognate receptors are therapeutic targets in the treatment of pulmonary arterial hypertension. Aberrant expression of this gene may promote tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]
UniProt Comments for EDN1	EDN1: Endothelins are endothelium-derived vasoconstrictor peptides. Belongs to the endothelin/sarafotoxin family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6p24.1 Cellular Component: cytoplasm; extracellular region; extracellular space Molecular Function: cytokine activity; endothelin A receptor binding; endothelin B receptor binding; hormone activity; protein binding Biological Process: artery smooth muscle contraction; calcium-mediated signaling; cell surface receptor linked signal transduction; cell-cell signaling; elevation of cytosolic calcium ion concentration; G-protein coupled receptor protein signaling pathway; inositol phosphate-mediated signaling; leukocyte activation; negative regulation of blood coagulation; negative regulation of cellular protein metabolic process; negative regulation of nitric-oxide synthase biosynthetic process; negative regulation of transcription from RNA polymerase II promoter; neutrophil chemotaxis; nitric oxide transport; peptide hormone secretion; phosphoinositide 3-kinase cascade; positive regulation of cell migration; positive regulation of cell proliferation; positive regulation of cell size; positive regulation of heart rate; positive regulation of hormone secretion; positive regulation of JNK activity; positive regulation of MAP kinase activity; positive regulation of mitosis; positive regulation of nitric oxide biosynthetic process; positive regulation of smooth muscle cell proliferation; positive regulation of transcription factor activity; positive regulation of transcription from RNA polymerase II promoter; prostaglandin biosynthetic process; protein kinase C deactivation; regulation of systemic arterial blood pressure by endothelin; vasoconstriction; vein smooth muscle contraction Disease: Auriculocondylar Syndrome 3; Question Mark Ears, Isolated
Research Articles on EDN1	**1.** Serum and synovial fluid endothelin-1 concentrations are correlated with the development and progression of knee osteoarthritis.
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