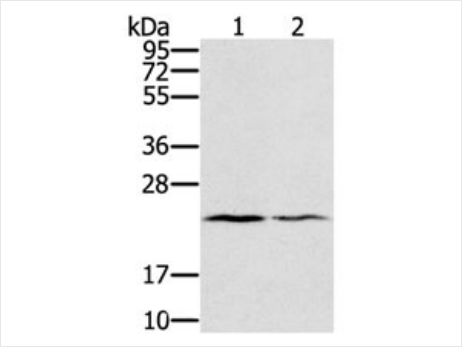
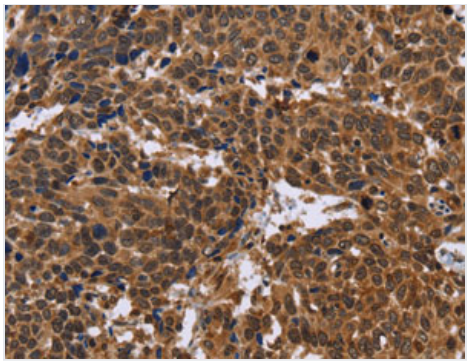
EDN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

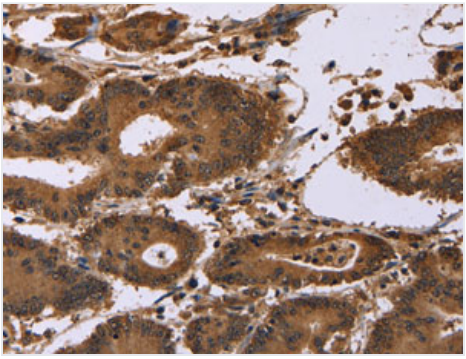
Product Name	EDN2, Polyclonal Antibody
Full Product Name	EDN2 Polyclonal Antibody
Product Gene Name	anti-EDN2 antibody
Product Synonym Names	ET2; PPET2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.
Molecular Weight	20kDa
OMIM	131241
Immunogen	Recombinant protein of human EDN2
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EDN2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-EDN2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-EDN2 antibody	This gene encodes a member of the endothelin protein family of secretory vasoconstrictive peptides. The preproprotein is processed to a short mature form which functions as a ligand for the endothelin receptors that initiate intracellular signaling events. This gene product is involved in a wide range of biological processes, such as hypertension and ovulation.
Other Notes	Small volumes of anti-EDN2 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.
Searchable Terms for EDN2 purchase	MBS2518418 is an antibody targeting EDN2. Also known as EDN2 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-EDN2 antibody
Western Blot analysis of Human normal right lung and normal left lung tissue using EDN2 Polyclonal Antibody at dilution of 1:600



Immunohistochemistry (IHC) of anti-EDN2 antibody
Immunohistochemistry of paraffin-embedded Human cervical cancer using EDN2 Polyclonal Antibody at dilution of 1:30



Immunohistochemistry (IHC) of anti-EDN2 antibody
Immunohistochemistry of paraffin-embedded Human colon cancer using EDN2 Polyclonal Antibody at dilution of 1:30

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EDN2. It may not necessarily be applicable to this product.

NCBI GI #	698980014
NCBI GeneID	1907
NCBI Accession #	NP_001289198.1
UniProt Secondary Accession #	Q5T1R3
UniProt Related Accession #	P20800
GenBank Nucleotide #	NM_001302269.1
NCBI Official Full Name	endothelin-2 isoform 2 preproprotein
NCBI Official Synonym Full Names	endothelin 2
NCBI Official Symbol	EDN2
NCBI Official Synonym Symbols	ET2; ET-2; PPET2
UniProt Protein Name	Endothelin-2
UniProt Synonym Protein Names	Preproendothelin-2; PPET2
Protein Family	Endothelin
UniProt Gene Name	EDN2
UniProt Synonym Gene Names	ET-2; PPET2
UniProt Entry Name	EDN2_HUMAN

NCBI Protein Information	endothelin-2; preproendothelin 2
NCBI Summary for EDN2	This gene encodes a member of the endothelin protein family of secretory vasoconstrictive peptides. The preproprotein is processed to a short mature form which functions as a ligand for the endothelin receptors that initiate intracellular signaling events. This gene product is involved in a wide range of biological processes, such as hypertension and ovulation. Altered expression of this gene is implicated in tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]
UniProt Comments for EDN2	EDN2: Endothelins are endothelium-derived vasoconstrictor peptides. Belongs to the endothelin/sarafotoxin family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 1p34 Cellular Component: extracellular space; extracellular region Molecular Function: hormone activity Biological Process: vasoconstriction; neutrophil chemotaxis; inositol phosphate-mediated signaling; regulation of systemic arterial blood pressure by endothelin; positive regulation of the force of heart contraction by chemical signal; cytokine and chemokine mediated signaling pathway; calcium-mediated signaling; positive regulation of leukocyte chemotaxis; positive regulation of heart rate; thermoregulation; prostaglandin biosynthetic process; vein smooth muscle contraction; hormonal regulation of the force of heart contraction; macrophage chemotaxis; macrophage activation; elevation of cytosolic calcium ion concentration; cell surface receptor linked signal transduction; regulation of vasoconstriction; positive regulation of cell proliferation; positive regulation of smooth muscle contraction; alveolus development; artery smooth muscle contraction
Research Articles on EDN2	**1.** Overexpression of Edn2 in the mouse retina causes an excess of tip cells and inhibits vascular growth. Overexpression of Edn2 in the brain and skin had no effect, but vascular development was inhibited in midgestation mouse embryos.
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