

Datasheet for ABIN198265
anti-Endothelin 1 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	Endothelin 1 (EDN1)
Binding Specificity:	C-Term
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Endothelin 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Radioimmunoassay (RIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	C-terminal fragment of human endothelin 1.
Clone:	1C4
Isotype:	IgG1
Specificity:	Recognizes human endothelin 1 (ET-1). Endothelin-1 in its precursor form is a 212 amino acid protein with a 17 aa signal peptide, an N-terminal pro-peptide region and a C-terminal pro-peptide region flanking the endothelin peptides, big endothelin-1 (38aa), the precursor of the smaller endothelin peptide which is cleaved by endothelin converting enzyme to produce the active endothelin-1 (21aa) peptide and a c-terminal fragment. Endothelin-1 is a potent vasoconstrictor with a molecular weight of approximately 25 kD. Shows less than 10 % reactivity with endothelin 3. Plasma levels of both endothelin-1 and big endothelin-1 are useful

Product Details

as predictors for survival of patients with congestive heart failure. However, the half life of the endothelin1 peptide in human plasma is very short (c1.0 mins) and measurement of big-endothelin-1 may be a more reliable measure of the endothelin secretory pathway activity.

Purification: Protein A purified

Target Details

Target: Endothelin 1 (EDN1)

Alternative Name: EDN1 / Endothelin 1 ([EDN1 Products](#))

Background: Name/Gene ID: EDN1
Family: Hormone

Synonyms: EDN1, Endothelin 1, Endothelin-1, ET1, Preproendothelin-1, PPET1, HDLCQ7

Gene ID: 1906

UniProt: [P05305](#)

Pathways: [Hormone Transport](#), [Negative Regulation of Hormone Secretion](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [cAMP Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Regulation of Cell Size](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, pH 7.2, 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Short term: -20°C
Long term: -20°C.