

## Datasheet for ABIN7539247 **anti-Endothelin 1 antibody**



[Go to Product page](#)

### Overview

|              |                                             |
|--------------|---------------------------------------------|
| Quantity:    | 100 µg                                      |
| Target:      | Endothelin 1 (EDN1)                         |
| Reactivity:  | Human                                       |
| Host:        | Rabbit                                      |
| Clonality:   | Polyclonal                                  |
| Conjugate:   | This Endothelin 1 antibody is un-conjugated |
| Application: | Western Blotting (WB)                       |

### Product Details

|               |                            |
|---------------|----------------------------|
| Purpose:      | Endothelin-1/ET-1 antibody |
| Purification: | Protein A purified         |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Endothelin 1 (EDN1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Alternative Name: | Endothelin-1/ET-1 ( <a href="#">EDN1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Preproendothelin-1, PPET-1, ET-1, EDN1, Endothelin-1 (ET-1) is a potent endogenous vasoconstrictor, mainly secreted by endothelial cells. ET-1 acts through two types of receptors: ETA and ETB. Apart from a vasoconstrictive action, ET-1 causes fibrosis of the vascular cells and stimulates production of reactive oxygen species. It is claimed that ET-1 induces proinflammatory mechanisms, increasing superoxide anion production and cytokine secretion. A recent study has shown that ET-1 is involved in the activation of transcription factors such as</p> |

## Target Details

NF-kappaB and expression of proinflammatory cytokines including TNF-alpha, IL-1, and IL-6. It has been also indicated that during endotoxaemia, the plasma level of ET-1 is increased in various animal species. Some authors indicate a clear correlation between endothelin plasma level and morbidity/mortality rate in septic patients. These pathological effects of ET-1 may be abrogated at least partly by endothelin receptor blockade. ET-1 receptor antagonists may be useful for prevention of various vascular diseases.

Gene ID: 1906

NCBI Accession: [NM\\_01955, NP\\_001946](#)

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: Western Blot: Use 1-5 µg/mL

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS

Storage: 4 °C, -20 °C

Storage Comment: The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.

Expiry Date: 24 months