

Datasheet for ABIN1881279

**anti-ECE2 antibody (AA 551-579)**[2 Images](#)[3 Publications](#)[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	ECE2
Binding Specificity:	AA 551-579
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ECE2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This ECE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 551-579 amino acids from the Central region of human ECE2.
Clone:	RB43866
Isotype:	Ig Fraction
Predicted Reactivity:	B, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ECE2
Alternative Name:	ECE2 ( <a href="#">ECE2 Products</a> )

## Target Details

**Background:** Converts big endothelin-1 to endothelin-1. Also involved in the processing of various neuroendocrine peptides, including neurotensin, angiotensin I, substance P, proenkephalin-derived peptides, and prodynorphin-derived peptides. May limit beta-amyloid peptide accumulation in brain. May also have methyltransferase activity.

**NCBI Accession:** [NP\\_001032401](#), [NP\\_001093590](#), [NP\\_001093591](#), [NP\\_055508](#), [NP\\_115707](#)

**UniProt:** [O60344](#)

**Pathways:** [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

**Application Notes:** WB: 1:1000. IHC-P: 1:25

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C, -20 °C

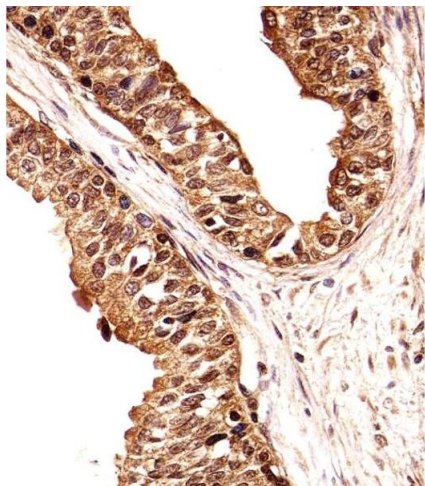
**Expiry Date:** 6 months

## Publications

**Product cited in:** Muzny, Scherer, Kaul, Wang, Yu, Sudbrak, Buhay, Chen, Cree, Ding, Dugan-Rocha, Gill, Gunaratne, Harris, Hawes, Hernandez, Hodgson, Hume, Jackson, Khan, Kovar-Smith, Lewis, Lozado, Metzker et al.: "The DNA sequence, annotation and analysis of human chromosome 3. ..." in: **Nature**, Vol. 440, Issue 7088, pp. 1194-8, (2006) ([PubMed](#)).

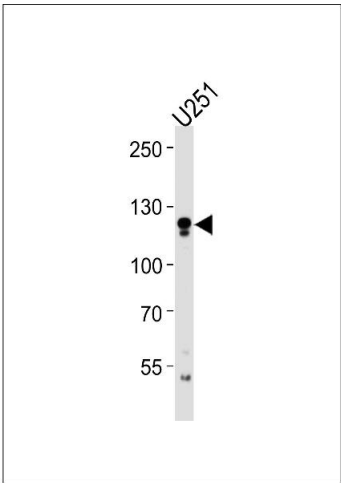
Lorenzo, Khan, Wang, Tai, Chan, Cheung, Marsden: "Human endothelin converting enzyme-2 (ECE2): characterization of mRNA species and chromosomal localization." in: **Biochimica et biophysica acta**, Vol. 1522, Issue 1, pp. 46-52, (2001) ([PubMed](#)).

Nagase, Ishikawa, Miyajima, Tanaka, Kotani, Nomura, Ohara: "Prediction of the coding sequences of unidentified human genes. IX. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro." in: **DNA research : an international journal for rapid publication of reports on genes and genomes**, Vol. 5, Issue 1, pp. 31-9, (1998) ([PubMed](#)).



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemical analysis of paraffin-embedded H. prostate section using ECE2 Antibody (Center) C. C was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



**Western Blotting**

**Image 2.** ECE2 Antibody (Center) (ABIN1881279 and ABIN2843411) western blot analysis in cell line lysates (35 μg/lane). This demonstrates the ECE2 antibody detected the ECE2 protein (arrow).