

Datasheet for ABIN7178777

anti-Angiotensin I Converting Enzyme 1 antibody (AA 1046-1263)



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1 Image

Overview

Quantity:	100 µL
Target:	Angiotensin I Converting Enzyme 1 (ACE)
Binding Specificity:	AA 1046-1263
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin I Converting Enzyme 1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Rat Angiotensin-converting enzyme protein (1046-1263AA)
Isotype:	IgG
Cross-Reactivity:	Rat
Purification:	>95%, Protein G purified

Target Details

Target:	Angiotensin I Converting Enzyme 1 (ACE)
Alternative Name:	Ace (ACE Products)
Background:	Background: Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the vasoconstrictor activity of angiotensin. Also able to inactivate

Target Details

bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety. This GPlase activity seems to be crucial for the egg-binding ability of the sperm (By similarity).

Aliases: Ace antibody, Dcp1 antibody, Angiotensin-converting enzyme antibody, ACE antibody, EC 3.2.1.- antibody, EC 3.4.15.1 antibody, Dipeptidyl carboxypeptidase I antibody, Kininase II antibody, CD antigen CD143) [Cleaved into: Angiotensin-converting enzyme antibody, soluble form] antibody

UniProt: [P47820](#)

Pathways: [ACE Inhibitor Pathway](#), [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Feeding Behaviour](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

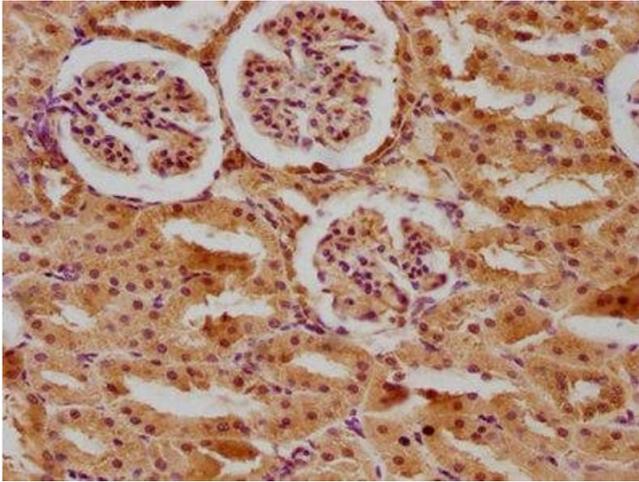
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7178777 diluted at 1:400 and staining in paraffin-embedded rat kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.