BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Angiotensin Converting Enzyme 1/ACE Antibody Picoband®

Catalog Number: PA2196-1

About ACE

Angiotensin I converting enzyme (ACE), also called DCP or CD143, is a zinc-containing dipeptidyl carboxypeptidase widely distributed in mammalian tissues and is though to play a critical role in blood pressure regulation. ACE gene is mapped to 17q23.3. This gene encodes an enzyme involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II. Angiotensin II is a potent vasopressor and aldosterone-stimulating peptide that controls blood pressure and fluid-electrolyte balance. This enzyme plays a key role in the renin-angiotensin system. Many studies have associated the presence or absence of a 287 bp Alu repeat element in this gene with the levels of circulating enzyme or cardiovascular pathophysiologies.

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Overview

Product Name	Anti-Angiotensin Converting Enzyme 1/ACE Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Angiotensin Converting Enzyme 1/ACE Antibody catalog # PA2196-1. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P12821

BOSTER
antibody and ELISA experts

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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Angiotensin Converting Enzyme 1.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human

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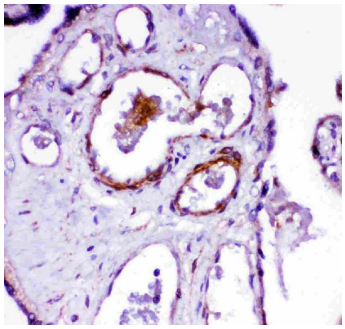
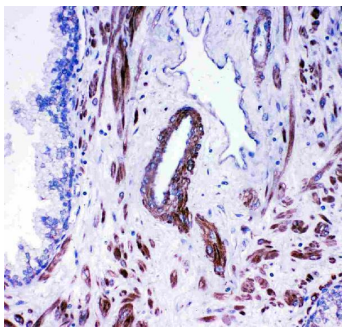
Anti-Angiotensin Converting Enzyme 1/ACE Antibody Picoband® (PA2196-1) Images



Anti-ACE antibody, PA2196-1, IHC(P)IHC(P): Human Placenta Tissue



Anti-ACE antibody, PA2196-1, IHC(P)IHC(P): Human Prostatic Cancer Tissue

Anti-ACE antibody, PA2196-1, Western blottingAll lanes: Anti Angiotensin Converting Enzyme 1 (PA2196-1) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 150KDObserved bind size: 150KD

1 Publications Citing This Product

1. PubMed ID: 28765966, Aliskiren has chondroprotective efficacy in a rat model of osteoarthritis through suppression of the local renin-angiotensin system

Visit bosterbio.com/anti-angiotensin-converting-enzyme-1-antibody-pa2196-1-boster.html to see all 1 publications.

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