

Product datasheet for TA361007

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Angiotensin Converting Enzyme 1 (ACE) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the C terminal region of human ACE

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 76 kDa

Gene Name: angiotensin I converting enzyme

Database Link: NP 000780.1

Entrez Gene 1636 Human

P12821-4



Angiotensin Converting Enzyme 1 (ACE) Rabbit Polyclonal Antibody - TA361007

Background: 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. Multiple alternatively spliced transcript variants encoding different isoforms have been identified, and two most abundant spliced variants encode the somatic form and the testicular form, respectively, that are

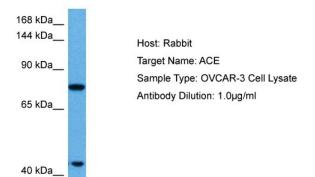
equally active.

Synonyms: ACE1; carboxycathepsin; CD143; DCP; DCP1; MGC26566; MVCD3

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protease, Secreted Protein, Transmembrane

Protein Pathways: Hypertrophic cardiomyopathy (HCM), Renin-angiotensin system

Product images:



Host: Rabbit Target Name: ACE

Sample Tissue: Human OVCAR-3 Whole Cell

lysates

Antibody Dilution: 1ug/ml