

## ACE RABBIT PAB

**Cat.#:** S220293

**Product Name:** Anti-ACE Rabbit Polyclonal Antibody

**Synonyms:** DCP; ICH; ACEI; DCPI; CD143; MVCD3

**UNIPROT ID:** P12821 (Gene Accession - NP\_000780 )

**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.

**Immunogen:** Synthetic peptide of human ACE

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 100-300;WB: 200-1000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

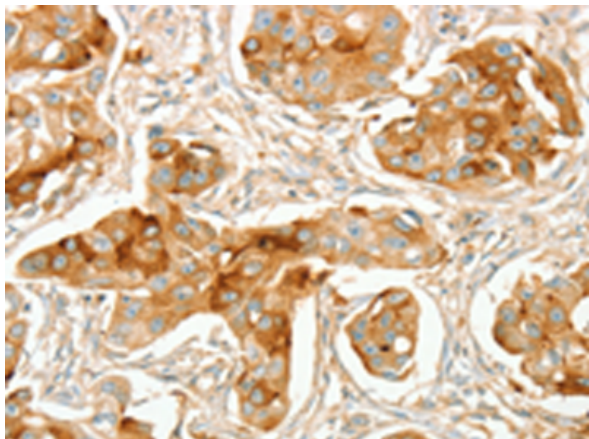
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

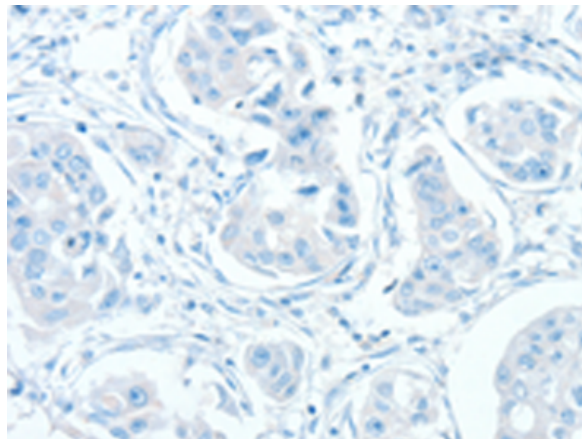
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism, Cancer, Cardiovascular, Cell Biology, Stem Cells

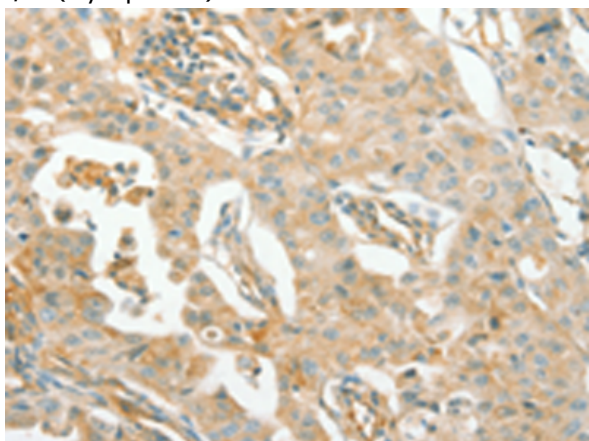
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



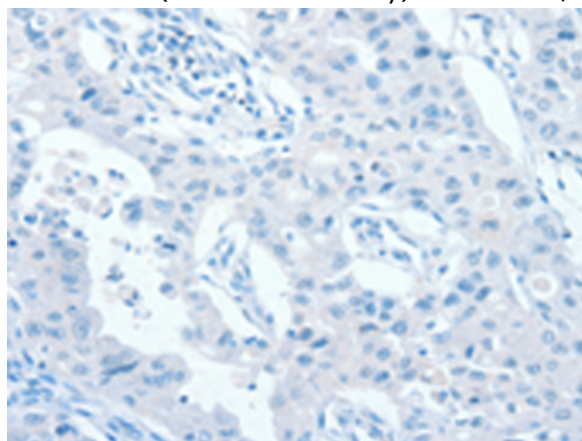
Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 220293(ACE Antibody) at a dilution of 1/70(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 220293(Anti-ACE Antibody) at dilution 1/70.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 220293(Anti-ACE Antibody) at a dilution of 1/70.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with synthetic peptide and then with D261280(Anti-ACE Antibody) at dilution 1/70.



Gel: 10%SDS-PAGE, Lysate: 40 µg;  
Lane 1-3: Human ileum adenocarcinoma tissue,  
Human testis tissue, Human prostate tissue;  
Primary antibody: 220293(ACE Antibody) at  
dilution 1/240;  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution;  
Exposure time: 30 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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