

## ACE

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:100

**Calculated MW:**150kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human ACE

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

DCP; ICH; ACE1; DCP1; CD143; MVCD3;

**Catalog #:**A7665

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1636

**Isotype:**IgG

**Swiss Prot:**P12821

**Purity:**Affinity purification

For research use only.

**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 pathophysiology. 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.

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