

Recombinant

DGRmAb®

Angiotensin Converting Enzyme 1 (DGR31307) Rabbit mAb

db13804

Package : 10µL 20µL 50µL 100µL

Product Name : Angiotensin Converting Enzyme 1 (DGR31307) Rabbit mAb**Cat.No.:** db13804**Synonyms** : DCP; ACE1; DCP1; CD143**Application** : WB, IHC-P**Reactivity** : Human, Mouse**Host species** : Rabbit**Background**

This gene encodes an enzyme involved in blood pressure regulation and electrolyte balance. It catalyzes 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. ACE also inactivates the vasodilator protein, bradykinin. Accordingly, the encoded enzyme increases blood pressure and is a drug target of ACE inhibitors, which are often prescribed to reduce blood pressure. This enzyme additionally plays a role in fertility through its ability to cleave and release GPI-anchored proteins in testes. Many studies have associated the presence or absence of a 287 bp Alu repeat element in this gene with the levels of circulating enzyme. This polymorphism, as well as mutations in this gene, have been implicated in a wide variety of diseases including cardiovascular pathophysiologies, psoriasis, renal disease, stroke, and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2020]

Immunogen

A synthetic peptide of human Angiotensin Converting Enzyme 1

Gene ID

1636

Swiss Prot

P12821

Synonyms

DCP; ACE1; DCP1; CD143

Reactivity

Human, Mouse

Application

WB, IHC-P

Recommended dilutionWB: 1:1000
IHC-P: 1:100-1:200**Calculated MW**

150 kDa

Observed MW

180 kDa

Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR31307
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.