Product Datasheet

ACE Antibody

Catalog No: #36724

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

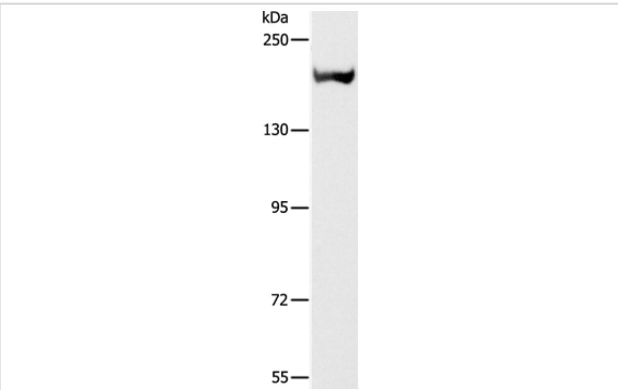
Description

Product Name	ACE Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total ACE protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human Angiotensin-converting enzyme
Target Name	ACE
Other Names	DCP; ICH; ACE1; DCP1; CD143; MVCD3
Accession No.	Swiss-Prot#: P12821NCBI Gene ID: 1636Gene Accssion: NP_000780
Uniprot	P12821
GeneID	1636;
SDS-PAGE MW	150kd
Concentration	1.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:1000-1:5000

Images



Gel: 6%SDS-PAGE
Lysates (from left to right): Mouse kidney tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/1000 dilution
Secondary antibody dilution: 1/8000
Exposure time: 30 seconds

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.