Angiotensin Converting Enzyme Antibody (ACE) (R31319)

Catalog No.	Formulation	Size
R31319	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P12821
Applications	Western blot: 0.5-1ug/ml
Limitations	This Angiotensin Converting Enzyme antibody is available for research use only.



Western blot testing of Angiotensin Converting Enzyme antibody and Lane 1: A549; 2: HeLa; 3: 22RV1 lysate. Expected molecular weight 140-170 kDa.

Description

Angiotensin converting enzyme (ACE), also called DCP or CD143 is a zinc-containing dipeptidyl carboxypeptidase widely distributed in mammalian tissues and is though to play a critical role in blood pressure regulation. This gene is mapped to 17q23.3. This gene encodes an enzyme involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II.

This antibody can be compared with our Angiotensin Converting Enzyme Antibody (clone ACE/3764) for consistent detection of ACE / CD143 in endothelial and vascular biology studies.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Angiotensin Converting Enzyme antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human ACE (ANLPLAKRQQYNALL) was used as the immunogen for this Angiotensin Converting Enzyme antibody.

Storage

After reconstitution, the Angiotensin Converting Enzyme antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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