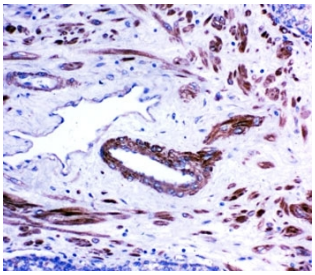
ACE Antibody [Angiotensin Converting Enzyme] (R31318)

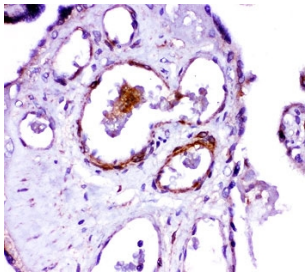
Catalog No.	Formulation	Size
R31318	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

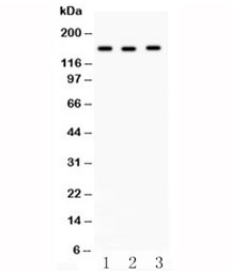
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P12821
Applications	Western Blot : 0.5-1ug/ml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



IHC-P: ACE antibody testing of human prostate cancer tissue



IHC-P: ACE antibody testing of human placenta tissue



Western blot testing of ACE antibody and (1) HeLa, (2) A549 and (3) 22RV1 lysate. Expected molecular weight 140-170 kDa.

Description

Angiotensin converting enzyme, 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. The ACE 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. 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ACE1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Angiotensin Converting Enzyme 1 (TQARKFDVNQLQNT) was used as the immunogen for this ACE antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com