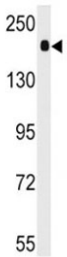
ACE Antibody / Angiotensin-Converting Enzyme (F50773)

Catalog No.	Formulation	Size
F50773-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50773-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P12821
Applications	Western blot: 1:1000
Limitations	This ACE antibody is available for research use only.



ACE Antibody Mouse Lung WB. Western blot analysis of ACE antibody and mouse lung tissue lysate. Expected molecular weight 140-170 kDa.

Description

ACE is 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. Two most abundant alternatively spliced variants of this gene encode two isozymes - the somatic form and the testicular form that are equally active.

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

Titration of the ACE antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1274-1306 from the human protein was used as the immunogen for this ACE antibody.

Storage

Aliquot the ACE antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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