



Anti-ACE Antibody

Alternative Names: ACE1, CD143, DCP, DCP1, Dipeptidyl carboxypeptidase I, Angiotensin converting enzyme

Catalogue Number: AB19-10096-50ug

Size: 50 µg

Background Information

Angiotensin converting enzyme (ACE) is a central component of the renin–angiotensin system (RAS), which converts the hormone angiotensin I to the angiotensin II and active vasoconstrictor thereby controlling blood pressure. ACE inhibitors are widely used as pharmaceutical drugs for treatment of cardiovascular diseases.

ACE in brain tissues appears to have a role in converting amyloid beta 42 to amyloid beta 40 with data in some studies indicating that Alzheimer's disease (AD) patients taking ACE inhibitors declined more rapidly, however other studies have shown a reduced risk of Alzheimer's disease under certain conditions with AD patients taking ACE inhibitors. Additionally studies have indicated that ACE inhibitors may reduce the risk for developing ALS.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	A long synthetic peptide from the middle of human ACE		
Format:	50 µg in 50 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB, IHC WB 1:500-2000, IHC 1:50-100		

Additional Information

Subcellular location:	Cell membrane Cytoplasm Secreted Single-pass type I membrane protein	MW:	79/83/132/150kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	1636	Uniprot ID:	P12821