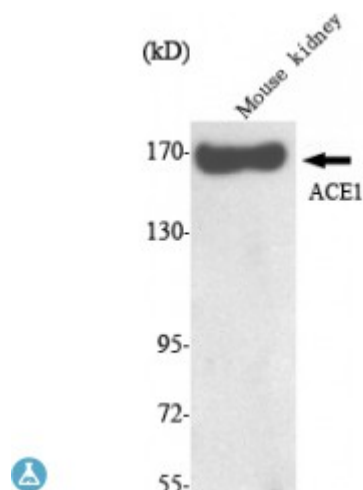


Anti-ACE1 antibody



Description	Mouse monoclonal to ACE1.
Model	STJ98458
Host	Mouse
Reactivity	Bovine, Human, Mouse, Rat
Applications	WB
Immunogen	Purified recombinant human ACE1 (N-terminal) protein fragments expressed in E.coli.
Immunogen Region	N-terminal
Gene ID	1636
Gene Symbol	ACE
Dilution range	WB 1:1000-1:2000
Specificity	ACE1 Monoclonal Antibody detects endogenous levels of ACE1 protein.
Tissue Specificity	Ubiquitously expressed, with highest levels in lung, kidney, heart, gastrointestinal system and prostate. Isoform Testis-specific is expressed in spermatocytes and adult testis.
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Angiotensin-converting enzyme ACE Dipeptidyl carboxypeptidase I Kininase II CD antigen CD143 Angiotensin-converting enzyme, soluble form
Clonality	Monoclonal

Conjugation	Unconjugated
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2707OMIM:106180
Alternative Names	Angiotensin-converting enzyme ACE Dipeptidyl carboxypeptidase I Kininase II CD antigen CD143 Angiotensin-converting enzyme, soluble form
Function	Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the vasoconstrictor activity of angiotensin. Also able to inactivate bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety.
Cellular Localization	Angiotensin-converting enzyme, soluble form: Secreted.. Cell membrane. Single-pass type I membrane protein. Cytoplasm. Detected in both cell membrane and cytoplasm in neurons.
Post-translational Modifications	Phosphorylated by CK2 on Ser-1299; which allows membrane retention.

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