

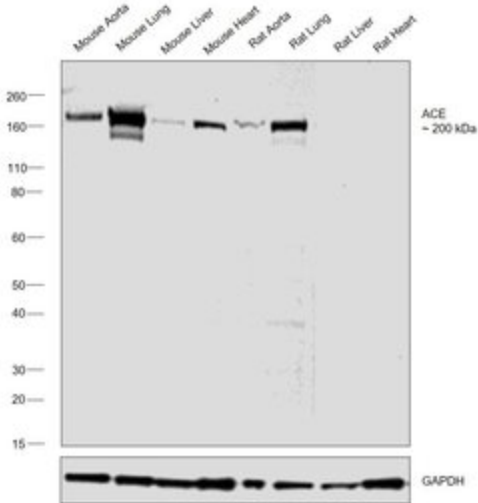
ACE Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide, corresponding to amino acids 920-950 of Human ACE.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2803338

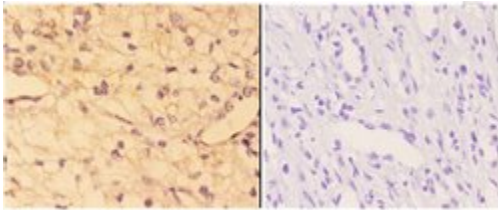
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-

ACE Antibody (PA5-86568)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. Relative expression of Angiotensin-converting enzyme was observed in Mouse Aorta, Mouse Lung, Mouse Liver, Mouse Heart, Rat Aorta and Rat Lung but not in Rat Liver and Rat Heart which are known to have lower expression levels (DOI: 10.1161/HYPERTENSIONAHA.111.182428) using Anti-ACE Polyclonal Antibody (Product # PA5-86568) in Western Blot. Relative expression validation info.



Product Images For ACE Polyclonal Antibody

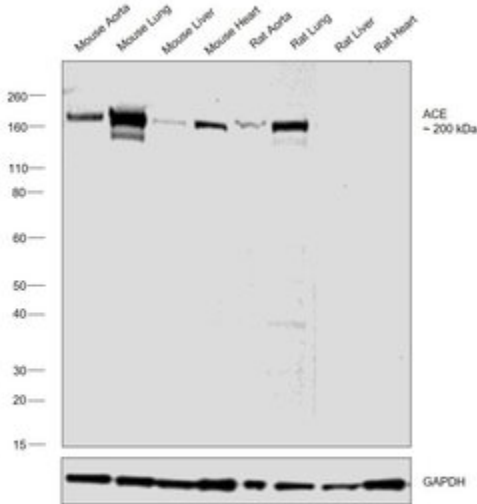


ACE Antibody (PA5-86568) in IHC (P)

Immunohistochemical analysis of ACE in paraffin-embedded human kidney carcinoma tissue showing cytoplasmic and membrane staining and negative control (right). Sample was incubated with polyclonal ACE antibody (Product # PA5-86568) using a 1:50 dilution, and followed by goat anti-rabbit IgG-biotin and avidin-peroxidase secondary antibodies.

ACE Antibody (PA5-86568) in WB

Western Blot was performed using Anti-ACE Polyclonal Antibody (Product # PA5-86568) and a 200 kDa band corresponding to Angiotensin-converting enzyme was observed across all tissues tested except Rat Liver and Rat Heart which are known to be low expressing (DOI: 10.1161/HYPERTENSIONAHA.111.182428). Tissue extracts (30 µg lysate) of Mouse Aorta (Lane 1), Mouse Lung (Lane 2), Mouse Liver (Lane 3), Mouse Heart (Lane 4), Rat Aorta (Lane 5), Rat Lung (Lane 6), Rat Liver (Lane 7) and Rat Heart (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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