

ACE Recombinant Rabbit Monoclonal Antibody (JM59-32)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	JM59-32
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human ACE aa 1257-1306
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2810018

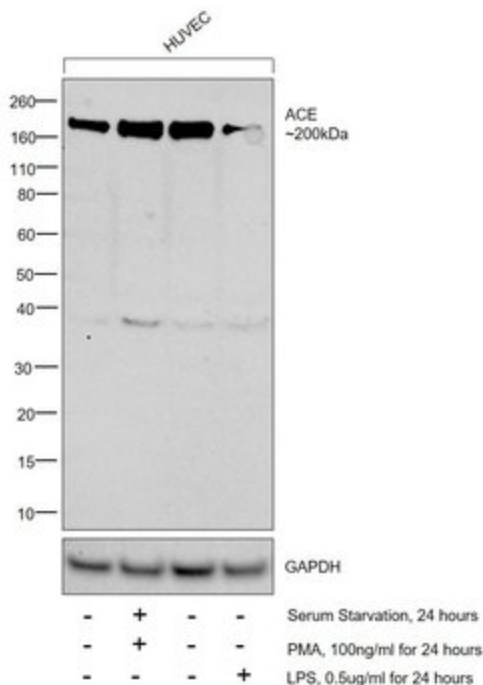
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	1:100-1:500	-
Flow Cytometry (Flow)	1:50-1:100	-

Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

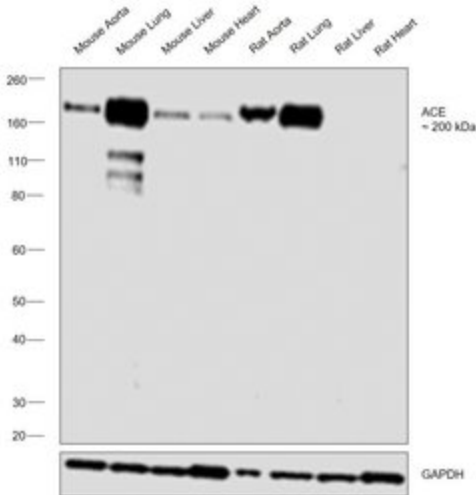
ACE Antibody (MA5-32741)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using ACE Recombinant Rabbit Monoclonal Antibody (JM59-32) (Product # MA5-32741), shows increased expression of ACE upon treatment of HUVEC cells with Serum Starvation and PMA and decreased expression upon treatment with LPS (DOI: 10.1161/HYPERTENSIONAHA.111.182428, 10.1007/s11626-013-9707-0). Cell treatment validation info.

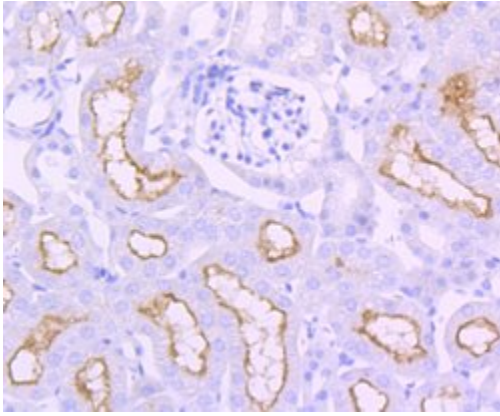


ACE Antibody (MA5-32741)

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 Rat Aorta and Rat Lung but not in Rat Liver and Rat Heart which are known to have low expression (DOI: 10.1161/HYPERTENSIONAHA.111.182428) using Anti-ACE Recombinant Rabbit Monoclonal Antibody (JM59-32) (Product # MA5-32741) in Western Blot. Relative expression validation info.



Product Images For ACE Recombinant Rabbit Monoclonal Antibody (JM59-32)



ACE Antibody (MA5-32741) in IHC (P)

Immunohistochemical analysis of ACE of paraffin-embedded Mouse kidney tissue using a ACE Monoclonal antibody (Product #MA5-32741). Counter stained with hematoxylin.

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