

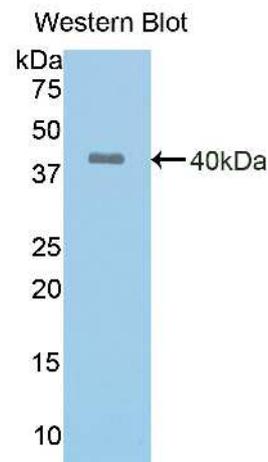
A90004Mu01
Polyclonal Antibody to Angiotensin I Converting Enzyme (ACE)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
 NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

5th Edition (Revised in January, 2013)

[PRODUCT INFORMATION]

Immunogen: ACE
Clonality: Polyclonal
Host: Rabbit
Species Reactivity: Mouse
Ig type: Rabbit IgG
Purification: Antibodies are purified by target protein affinity chromatography.
Applications: WB, ICC, IHC-P, IHC-F
Form: Liquid
Size: 100µg



Sample: Recombinant mouse ACE

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant mouse ACE (Tyr504~Asp597) expressed in *E.coli*.
Molecular Weight: 37.6kDa
USCN accession No.: P90004Mu01
Sequence: The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.
 MRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGA VL
 DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD
 VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPKSD
 GSTSGSGHHH HHHSAGLVPR GSTAIGMKET AAKFERQHM DSPDLGTLEV

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LFQGPLGSEF-YQGICPP VARNETHFDA GAKFHIPNVT PYIRYFVSFV LQFQFHQALC
KEAGHQGPLH QCIDIYQSAQA GAKLKQVLQA GCSRPWQEVL KDLVGSD

[ANTIBODY SPECIFICITY]

Anti ACE is a rabbit polyclonal antibody raised against mouse ACE. This antibody has been selected for its ability to recognize mouse ACE in immunohistochemical staining and western blotting, non cross-reactive with other members of the family.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH 7.4, containing 0.02%Na₃N, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant mouse ACE (Tyr504~Asp597) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading buffer: 100mM Tris(PH 8.8), 2%SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, Na₃N 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

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