

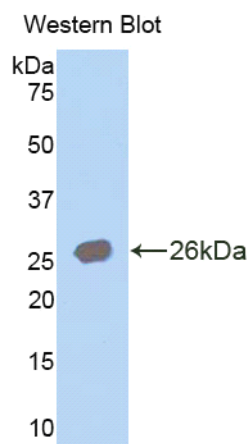
A93071Mu01
Polyclonal Antibody to Carbonic Anhydrase IV (CA4)
Instruction manual

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

5th Edition (Revised in January, 2013)

[PRODUCT INFORMATION]

Immunogen: CA4
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 CA4

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant mouse CA4 (Gly21~Ser216) expressed in *E. coli*.
Molecular Weight: 23.5kDa
USCN accession No.: P93071Mu01
Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.
 MGHHHHHHSGSEF- GWCYEIQTKD PRSSCLGPEK WPGACKENQQ SPINIVTART
 KVNPRLTPFI LVGYDQKQQW PIKNNQHTVE MTLGGGACII GGDLPARYEA VQLHLHWSNG
 NDNGSEHSID GRHFAMEMHI VHKKLTSSKE DSKDKFAVLA FMIEVGDKVN KGFQPLVEAL
 PSISKPHSTS TVRESSLQDM LPPSTKMYTY FRYNGS

Unique product Superb quality Client favorite Nicest service  ISO9001:2008;  ISO13485:2003; 

[ANTIBODY SPECIFICITY]

Anti CA4 is a rabbit polyclonal antibody raised against mouse CA4. This antibody has been selected for its ability to recognize mouse CA4 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 CA4 (Gly21~Ser216) 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.