



# CA IX/Carbonic Anhydrase IX Mouse Monoclonal Antibody

E12-101

**Catalog Number:** E12-101

**Amount:** 100µg/100µl

**Clone Number:** 12F10

**Background:** The carbonic anhydrases (or carbonate dehydratases) form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons (or vice versa), a reversible reaction that occurs rather slowly in the absence of a catalyst. CAIX is considered to be one of the best cellular biomarkers of hypoxia. Furthermore, recent studies examining the association between CAIX levels and various clinicopathological outcomes suggest that CAIX expression may also be a valuable prognostic indicator for overall survival. Antibodies against CAIX serve as excellent biomarkers of hypoxic regions in many solid tumors

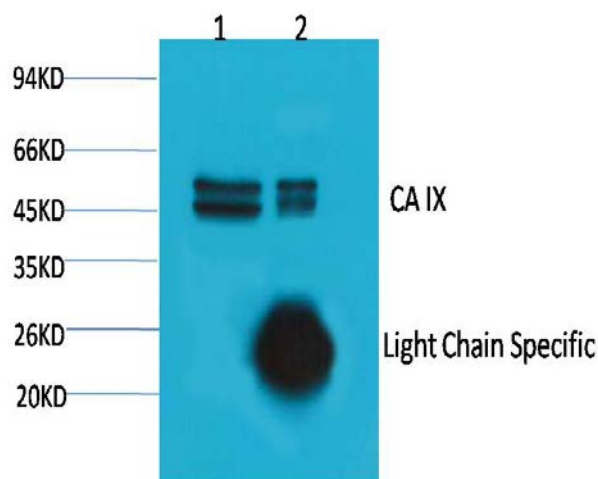
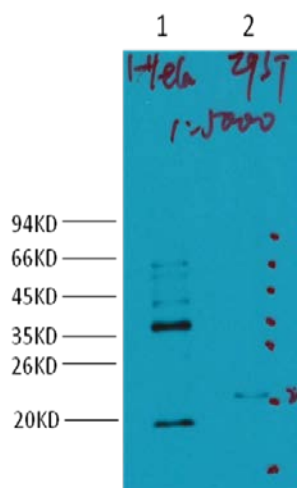
**Form of Antibody:** Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year. Do not aliquot the antibody.

**Specificity/Sensitivity:** CA IX Mouse Monoclonal antibody detects endogenous CA IX proteins

**Reactivity:** H

**Applications:** WB: 1:3,000 IP:1:200



Western blot analysis of 1) Hela, 2) 293T, with CA IX Mouse mAb diluted at 1:5,000.

1、Input: Hela Cell Lysate

2、IP product: IP dilute 1:200

Western blot analysis: primary antibody : E12-101 1:2,000

Secondary antibody: Goat anti-Mouse IgG, Light chain specific(S003), 1:5,000

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