

CA IX/Carbonic Anhydrase IX Mouse Monoclonal Antibody(12F10)

Catalog	TDY101C	TDY101F
Quantity	50 μ L	100 μ L

Tel: 010-82908854
Free: 400-0620-621
Web: www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IP, IHC	H	35-58KD	IgG1

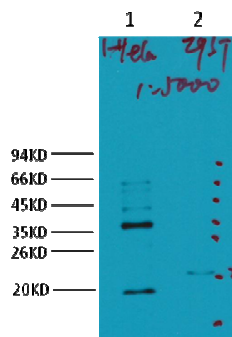
Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C**. **Do not aliquot the antibody.**

Recommended dilutions: WB: 1:3,000 IP:1:200 IHC: 1:100-200

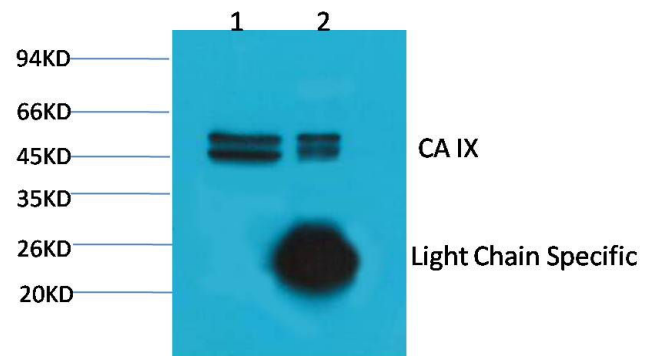
Optimal dilutions should be determined by the end user.

Specificity: CA IX Mouse Monoclonal antibody detects endogenous CA IX proteins.

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 excellent biomarkers of hypoxic regions in many solid tumors.



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

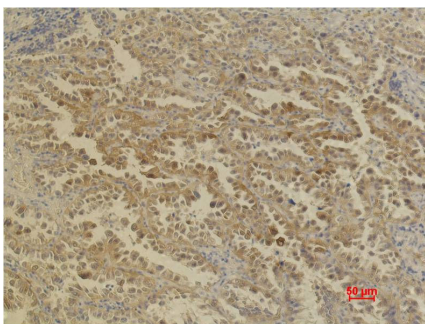


1、 Input: HeLa Cell Lysate

2、 IP product: IP dilute 1:200

Western blot analysis: primary antibody : TDY101
1:2,000

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



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma using CA IX/Carbonic Anhydrase IX (TDY101) Mouse mAb diluted at 1:200.