



# ELK Biotechnology

## CA IX/Carbonic Anhydrase IX Mouse mAb

Catalog NO.: EM1076

For research use only.

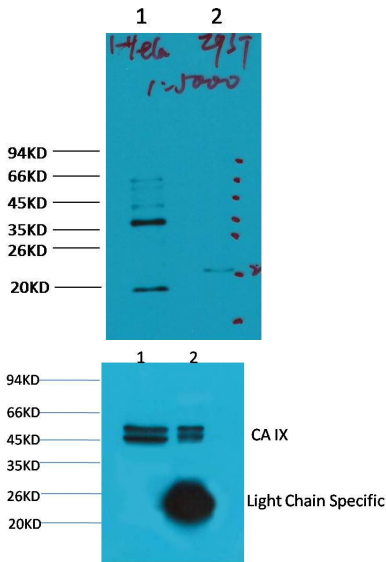
### Overview

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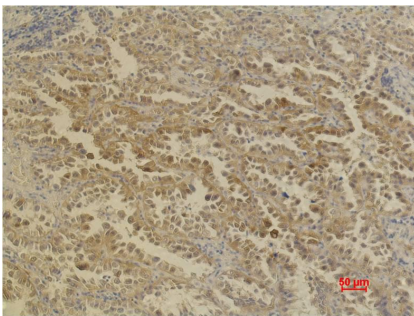
Product name	CA IX/Carbonic Anhydrase IX Mouse Monoclonal antibody
Source	Mouse
Applications	WB IHC IP
Species reactivity	Human
Recommended dilutions	<b>WesternBlot:1/3000</b> <b>Immunoprecipitation:1/200</b> <b>Immunohistochemistry:1/100-200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	<b>35-38kDa</b>
GeneID (Human)	768
Human Swiss-Prot No.	Q16790
Cellular localization	Nucleus. Nucleus nucleolus. Cell membrane. Cell projection microvillus membrane.
Alternative Names	CA9 CAIX Carbonate dehydratase IX Carbonic anhydrase 9 carbonic anhydrase IX G250 Membrane antigen MN MN P54/58N pMW1 RCC associated antigen G250
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.

Western blot analysis of) HeLa 2) 293T with CA IX Mouse mAb diluted at:5000.



1、 Input: HeLa Cell Lysate 2、 IP product: IP dilute:200 Western blot analysis: primary antibody : EM1076:2000 Secondary antibody: Goat anti-Mouse IgG Light chain specific(S003):5000



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma using CA IX/Carbonic Anhydrase IX (EM1076) Mouse mAb diluted at:200.