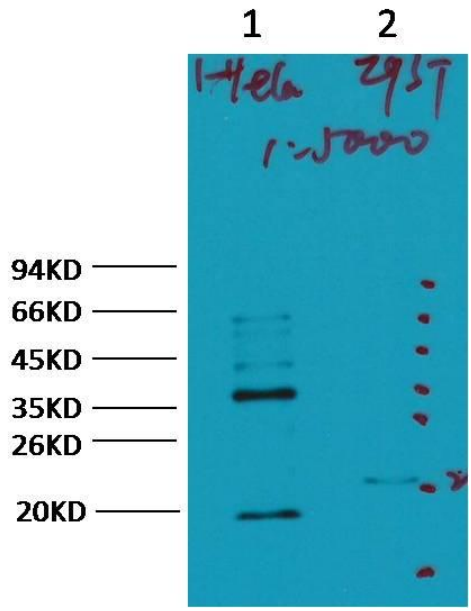
CA IX Carbonic Anhydrase IX Mouse Monoclonal Antibody(12F10)

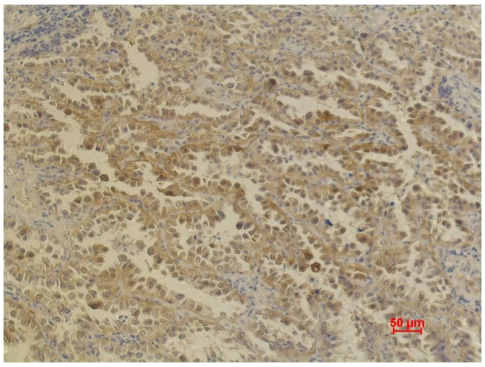
Catalog No： RA10354

Basic Information	
Host species	Mouse
Applications	WB, IP, IHC
Species Cross-Reactivity	H
Specificity	CA IX Mouse Monoclonal antibody detects endogenous CA IX proteins.
Recommended dilutions	WB: 1:3,000 IP:1:200 IHC: 1:100-200 Optimal dilutions should be determined by the end user.
Applications	
Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal
Background	
Alternative Names	
Observed band	35-38
Human Gene ID	768
Human Swiss-Prot Number	Q16790
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.

Selected Validation Data



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



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