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

Catalog No.: RA10354

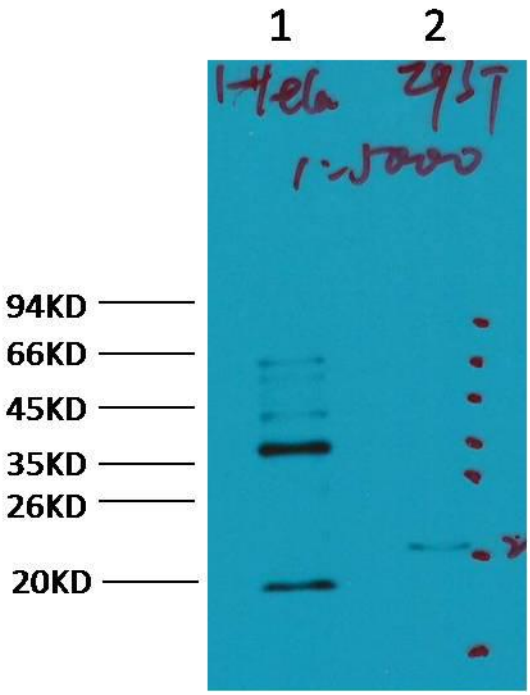
Basic Information

Information	
Reactivity	H
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	35-38KD

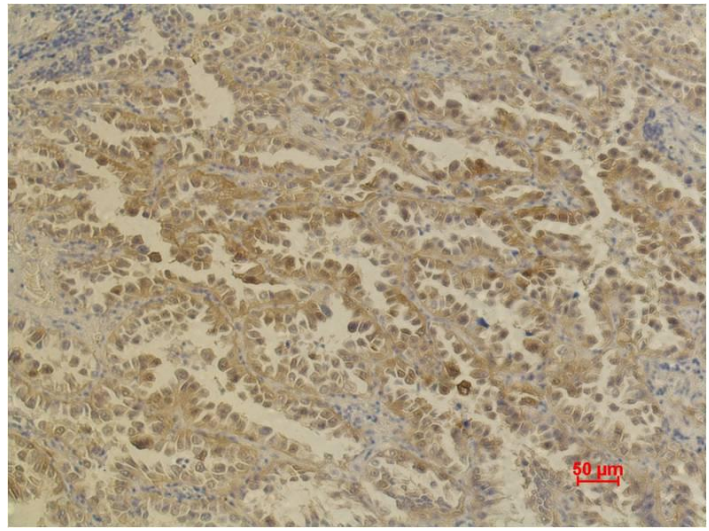
Applications	Recommended Dilution
WB	1:3,000
IHC	1:100-200
IP	1:100-200

Preparation & Storage	
Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental 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.

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.