CA IX/Carbonic Anhydrase IX Mouse mAb

Cat No: HR1AM2187

For research use only

Overview

Product Name	CA IX/Carbonic Anhydrase IX Mouse mAb
Source	Mouse
Applications	WB, IHC, IP
Species Reactivity	Human
Recommended Dilutions	WB 1:3,000 IP 1:200 IHC 1:100-200
Immunogen	
Species	Mouse
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	1mg/ml
Observed band	35-38kDakDa
GeneID?Human?	768
Human Swiss-Prot No.	
Cellular localization	
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 excellent biomarkers of hypoxic regions in many solid tumors.