Carbonic Anhydrase IX (Renal Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone CA9/781]

Catalog No	Format	Size
768-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
768-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
768-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

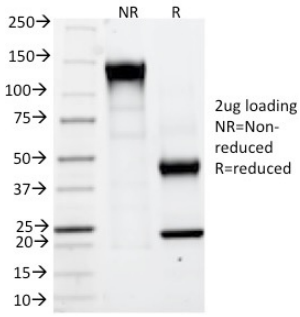
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

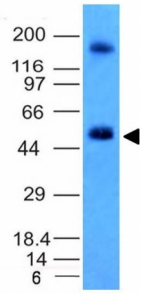
Clone	CA9/781
Gene Name	CA9
Immunogen	Recombinant human CA9 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	55kDa
Cellular Localization	Cell membrane, Cell projection, Microvillus membrane, Nucleolus, Nucleus
Species Reactivity	Horse, Human
Positive Control	Normal kidney or renal cell carcinoma.

**Optimal dilution for a specific application should be determined.*

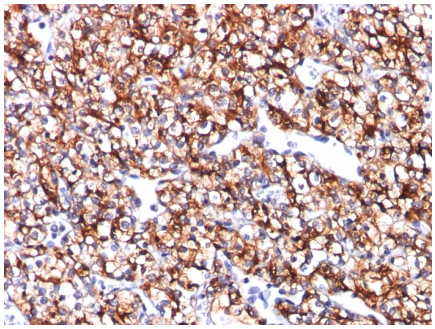
Product Images for Carbonic Anhydrase IX (Renal Cell Marker) Antibody



SDS-PAGE Analysis of Purified CAIX Mouse Monoclonal Antibody (CA9/781). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of HCT116 cell lysate CAIX Mouse Monoclonal Antibody (CA9/781).



Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CAIX Mouse Monoclonal Antibody (CA9/781).

Specificity & Comments

Recognizes a glycoprotein of ~200kDa, identified as carbonic anhydrase IX (CAIX/gp200). Carbonic Anhydrases (CAs) are members of a large family of zinc metallo-enzymes that catalyze the reversible hydration of carbon dioxide. CAs are involved in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption and the formation of aqueous humor, cerebrospinal fluid, saliva and gastric juice. They show extensive diversity in distribution and in their subcellular localization. CA IX is specifically expressed in clear-cell renal carcinomas.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Angiogenesis, Hypoxia

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.