

Datasheet for ABIN6940920

anti-CA9 antibody

3 Images

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Overview

Quantity:	100 µg
Target:	CA9
Reactivity:	Human, Horse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CA9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human CA9 protein
Clone:	CA9-781
Isotype:	IgG2b kappa
Specificity:	Recognizes a glycoprotein of ~200 kDa, 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.
Purification:	Purified by Protein A/G

Target Details

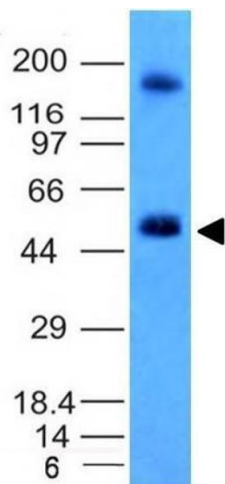
Target:	CA9
Alternative Name:	CA9 (CA9 Products)
Molecular Weight:	55kDa
Gene ID:	768
UniProt:	Q16790

Application Details

Application Notes:	<p>Positive Control: Normal kidney or renal cell carcinoma.</p> <p>Known Application: Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

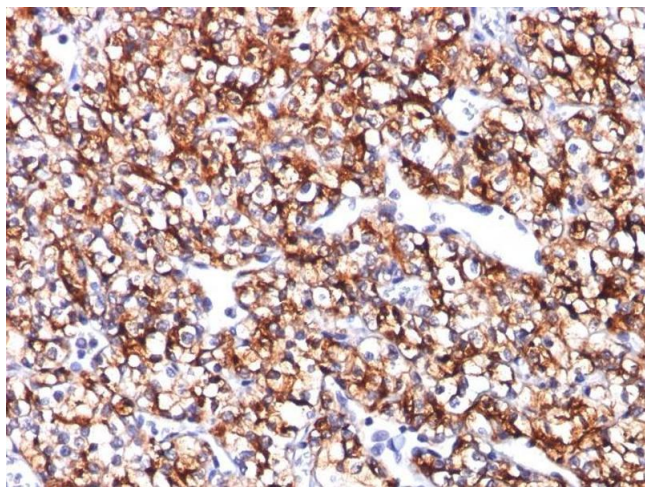
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



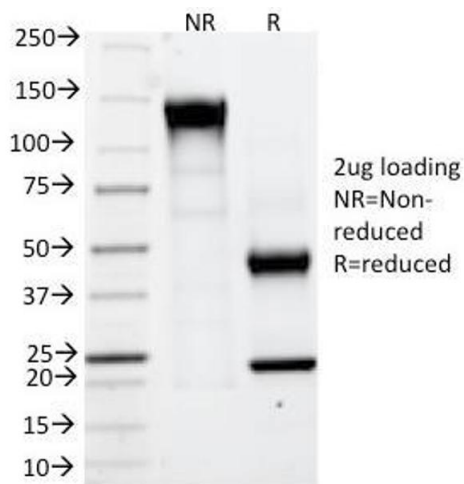
Western Blotting

Image 1. Western Blot Analysis of HCT116 cell lysate CAIX Mouse Monoclonal Antibody (CA9/781).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CAIX Mouse Monoclonal Antibody (CA9/781).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified CAIX Mouse Monoclonal Antibody (CA9/781). Confirmation of Integrity and Purity of Antibody.