

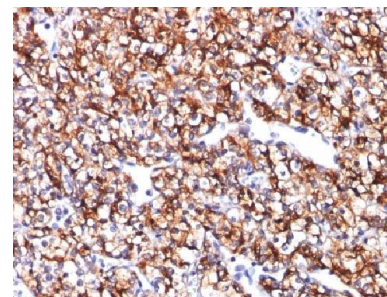
Anti-Carbonic Anhydrase IX Antibody (CA9/781)

CATALOG NO:	A1463-100
ALTERNATIVE NAMES:	CA-IX, CA9, CAH9_HUMAN, CAIX, Carbonate dehydratase IX, Carbonic anhydrase 9, Carbonic anhydrase IX, Carbonic dehydratase, G250, Membrane antigen MN, P54/58N, pMW1, RCC-associated antigen G250, Renal cell carcinoma-associated antigen G250
AMOUNT:	100 µg
IMMUNOGEN:	Recombinant human CA9 protein
HOST/ISOTYPE:	Mouse Ig2b, kappa
CLONALITY:	Monoclonal
CLONE:	CA9/781
MOL WEIGHT:	55 kDa
SPECIES REACTIVITY:	Human
PURIFICATION:	Protein A/G purified
FORM:	Liquid
FORMULATION:	Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

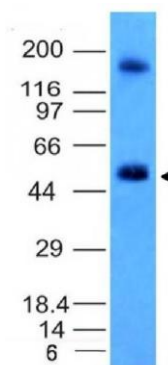
DESCRIPTION: Recognizes a glycoprotein of ~200 kDa, identified as carbonic anhydrase IX (CAIX/gp200). Carbonic Anhydrases (CAs) are members of a large family of zinc metallo-enzymes that catalyze the reversible hydration of carbon dioxide. CAs are involved in a variety of biological processes, including 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.

APPLICATION: FC: 0.5-1 µg/1X10⁶ cells in 0.1 ml
 IF: 1-2 µg/ml
 WB: 0.5-1 µg/ml
 IHC: (Formalin-fixed) 0.5-1 µg/ml for 30 minutes at RT
 (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



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



Western Blot Analysis of HCT116 Cell Lysate using CAIX Monoclonal Antibody (CA9/781)

RELATED PRODUCTS:

- Carbonic anhydrase 9 (CA9)(Human) ELISA Kit (**Cat. No. E4353**)
- Human CellExp™ Carbonic Anhydrase 9/CA9, human recombinant (**Cat. No. 7478**)
- Human CellExp™ Carbonic Anhydrase 10/CA10, human recombinant (**Cat. No. 7485**)
- Human CellExp™ Carbonic Anhydrase 4/CA4, human recombinant (**Cat. No. 7484**)

FOR RESEARCH USE ONLY! Not to be used on humans.