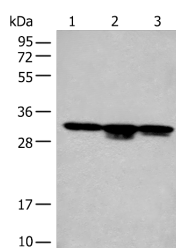


CA7 Polyclonal Antibody

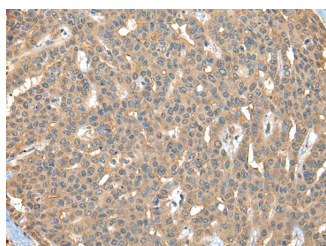
Catalog No.	E-AB-52508	Reactivity	H,M
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IHC,ELISA	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

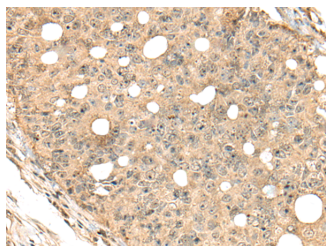
Images



Western blot analysis of RAW264.7 cell Mouse kidney tissue and Mouse heart tissue lysates using CA7 Polyclonal Antibody at dilution of 1:400



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using CA7 Polyclonal Antibody at dilution of 1:40(×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using CA7 Polyclonal Antibody at dilution of 1:40(×200)

Immunogen Information

Immunogen	Full length fusion protein
Gene Accession	BC033865
Swissprot	P43166
Synonyms	CA 7,CA VII,CA-VII,Ca7,CAH7,Carbonate dehydratase VII,Carbonic anhydrase 7,Carbonic anhydrase VII,Carbonic dehydratase VII,CAVII,EC=4.2.1.1

Product Information

Calculated MW	30 kDa
Observed MW	Refer to figures
Buffer	PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	WB 1:500-1:2000, IHC 1:40-1:200, ELISA 1:5000-1:10000

Background

Carbonic anhydrases are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate 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 acid. They show extensive diversity in tissue distribution and in their subcellular localization. The cytosolic protein encoded by this gene is predominantly expressed in the salivary glands. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.