

## Product datasheet for **TA369890S**

### CA7 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human urinary bladder tissue□Mouse heart tissue□Mouse kidney tissue and RAW264.7 cell lysates IHC: 50-300 Positive control: Human gastric cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	30 kDa
Gene Name:	carbonic anhydrase 7
Database Link:	<a href="#">Entrez Gene 766 Human P43166</a>



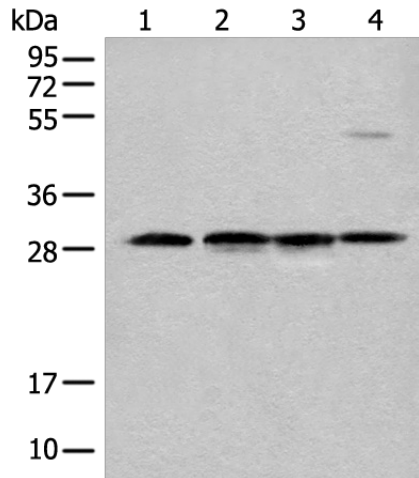
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**Background:**

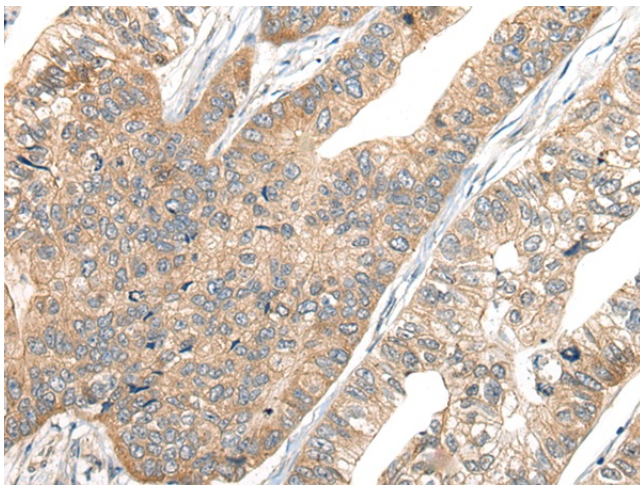
Carbonic anhydrases are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, 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.

**Synonyms:**

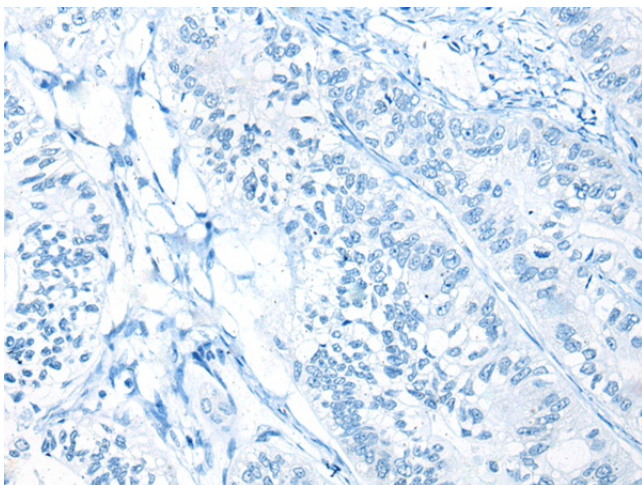
CA-VII; CAVII

**Product images:**


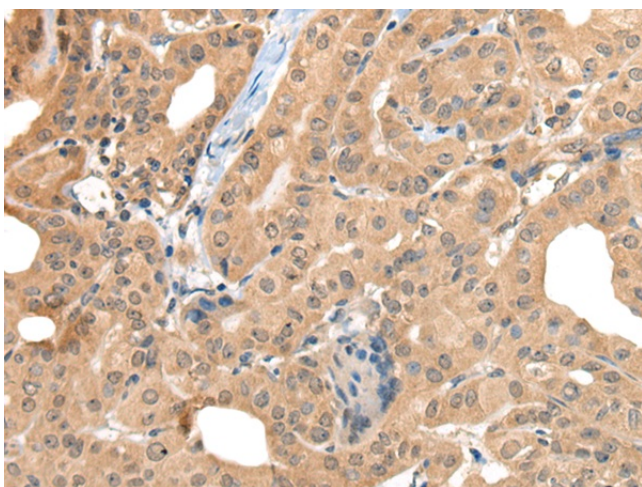
Gel: 12%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-4: Human urinary bladder tissue  
 Mouse heart tissue  
 Mouse kidney tissue and RAW264.7 cell lysates  
 Primary antibody: [TA369890] (CA7 Antibody) at dilution 1/500  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 5 seconds



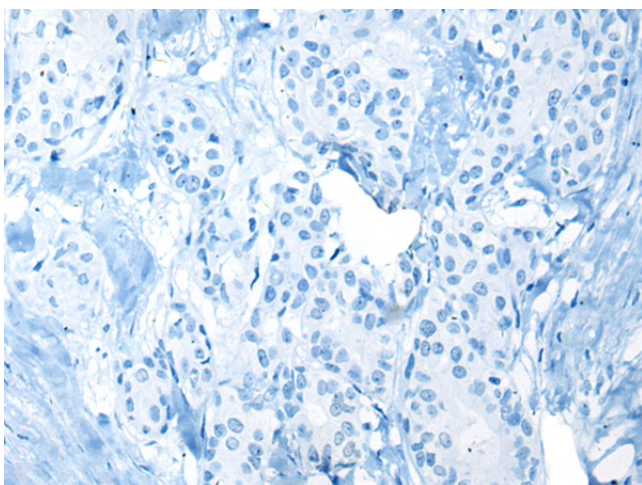
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA369890] (CA7 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA369890] (CA7 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA369890] (CA7 Antibody) at dilution 1/50 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA369890] (CA7 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: x200)