



## Rabbit Anti-CA XI antibody

SL8244R

<b>Product Name:</b>	CA XI
<b>Chinese Name:</b>	碳酸酐酶11抗体
<b>Alias:</b>	CA-RP II; CA-RP XI; CA-XI; CA11; CAH11_HUMAN; Carbonic anhydrase-related protein 11; Carbonic anhydrase-related protein 2; CARP XI; CARP-2; CARP2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	34kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CA XI/Carbonic Anhydrase XI:101-200/328
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Carbonic anhydrases (CAs) are members of a large family of zinc metalloenzymes responsible for catalyzing the reversible hydration of carbon dioxide. CAs show extensive diversity in their distribution and subcellular localization. They are involved in a variety of biological processes, including calcification, bone resorption, respiration, acid-base balance and the formation of aqueous humor, saliva, gastric juice and

cerebrospinal fluid. CA XI, also referred to as carbonic anhydrase-related protein 11 precursor (CA-RP XI) or carbonic anhydrase-related protein 2 (CA-RP II), is a member of the carbonic anhydrase family that lacks two of the three Zn-binding motifs essential for carbonic anhydrase activity. For this reason, CA XI does not exhibit catalytic activity. It is expressed primarily in brain but is also found in spinal cord and thyroid. CA XI may play a role in brain development.  
Tissue specificity: Expressed abundantly in the brain with moderate expression also present in spinal cord and thyroid.

**Function:**

Does not have a catalytic activity.

**Subcellular Location:**

Secreted (Potential).

**Tissue Specificity:**

Expressed abundantly in the brain with moderate expression also present in spinal cord and thyroid.

**Similarity:**

Belongs to the alpha-carbonic anhydrase family.

**SWISS:**

O75493

**Gene ID:**

770

**Database links:**

[Entrez Gene: 770](#)Human

[Entrez Gene: 12348](#)Mouse

[Entrez Gene: 308588](#)Rat

[Omim: 604644](#)Human

[SwissProt: O75493](#)Human

[SwissProt: O70354](#)Mouse

[Unigene: 428446](#)Human

[Unigene: 27736](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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