

## Rabbit CA8 Polyclonal Antibody | anti-CA8 antibody

CA8 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                        | APPLICATIONS |
|-----------|--------|-------------------------------------------------------------------|--------------|
| AAA199060 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish | Western Blot |

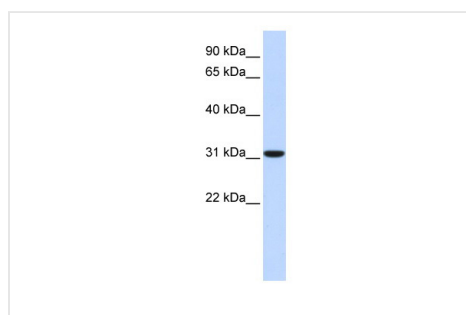
### PRODUCT SYNONYMS

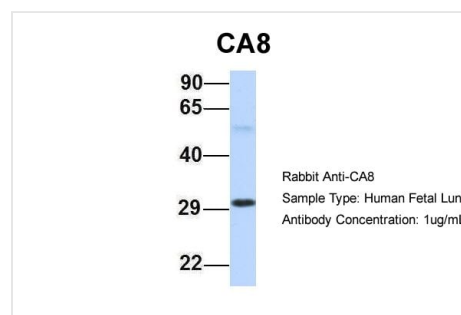
CA8; Polyclonal Antibody; CA8 antibody - middle region; anti-CA8 antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                |
| Reactivity                                    | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish                                                                                     |
| Clonality                                     | Polyclonal                                                                                                                                            |
| Purity/Purification                           | Affinity Purified                                                                                                                                     |
| Form/Format                                   | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                      | Synthetic peptide with the following region: TI SQLQIEEFRR LRTHVKGAEL VEGCDGILGD NFRPTQPLSD RVIRAAAFQ                                                 |
| Sequence Length                               | 290                                                                                                                                                   |
| Applicable Applications for anti-CA8 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                      | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%                               |
| Immunogen                                     | The immunogen is a synthetic peptide directed towards the middle region of human CA8                                                                  |
| Preparation and Storage                       | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-CA8 Antibody Titration: 0.2-1 ug/mL  
ELISA Titer: 1:62500  
Positive Control: Human Liver

**WB (Western Blot)**

Host: Rabbit  
Target Name: CA8  
Sample Type: Human Fetal Lung  
Antibody Dilution: 1.0 ug/ml

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CA8 antibody | <p>This is a rabbit polyclonal antibody against CA8. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: CA8 was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, CA8 lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). CA8 continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The protein encoded by this gene was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form.</p> |
| Product Categories/Family for anti-CA8 antibody   | Polyclonal; Drugs and Drug Metabolism; Disease Related; Tissue Specific & Cell Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 22027500                                     |
| NCBI GeneID                      | 767                                          |
| NCBI Accession #                 | NP_004047                                    |
| NCBI GenBank Nucleotide #        | NM_004056                                    |
| UniProt Accession #              | P35219                                       |
| Molecular Weight                 | 33kDa                                        |
| NCBI Official Full Name          | carbonic anhydrase-related protein isoform a |
| NCBI Official Synonym Full Names | carbonic anhydrase 8                         |
| NCBI Official Symbol             | CA8                                          |
| NCBI Official Synonym Symbols    | CALS; CARP; CA-RP; CAMRQ3; CA-VIII           |
| NCBI Protein Information         | carbonic anhydrase-related protein           |
| UniProt Protein Name             | Carbonic anhydrase-related protein           |
| UniProt Gene Name                | CA8                                          |
| UniProt Synonym Gene Names       | CALS; CARP; CA-VIII                          |
| UniProt Entry Name               | CAH8_HUMAN                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.