

# Rabbit anti-Human, Rat Carbonic Anhydrase XII (CA12) Polyclonal Antibody | anti-CA12 antibody

Polyclonal Antibody to Carbonic Anhydrase XII (CA12)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                   |
|-----------|--------|------------|----------------------------------------------------------------|
| AAA132896 | Rabbit | Human, Rat | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry |

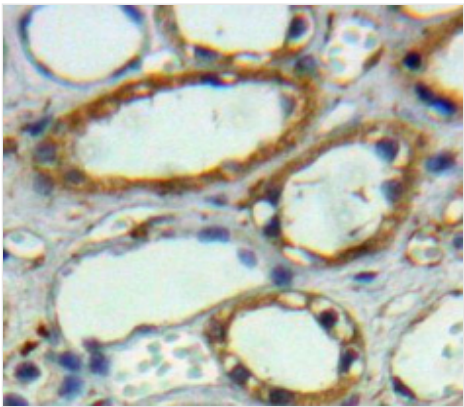
## PRODUCT SYNONYMS

Carbonic Anhydrase XII (CA12); Polyclonal Antibody; Polyclonal Antibody to Carbonic Anhydrase XII (CA12); anti-CA12 antibody

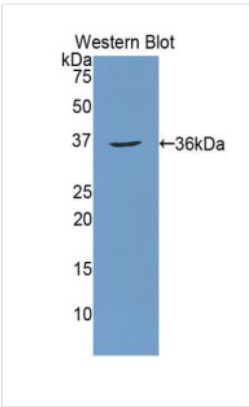
## PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity                                     | Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against CA12. It has been selected for its ability to recognize CA12 in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                                    |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                    | Supplied as solution form in PBS, pH7.4, containing 0.02% NaN <sub>3</sub> , 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence                                       | Antigen: The target protein is fused with a C-terminal tag, His-tag and its sequence is listed below.<br>MGSS HHHHHHSSGL VPRGSHMASM TGGQQMGRGS EF-APVNGSK WTYFGPDGEN SWSKKYPSCG<br>GLLQSPIDLH SDILQYDASL TPLEFQGYNL SANKQFLLTN NGH SVKLNLP SDMH IQLQS RYSATQLHLH<br>WGNPNDPHGS EHTVSGQHFA AELHIVHYNS DLYPDASTAS NKSEGLAVLA VLIEMGSFNP SYDKIFSHLQ<br>HVKYKGQEAF VPGFNIEELL PERTAEYYRY RGS LTPPCN PTVLWTVFRN PVQISQEQLL ALETALYCTH<br>MDDPSPREMI NNFRQVQKFD ERLVYTSFSQ VQVCTAAGLS L |
| Sequence Length                                | 354                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-CA12 antibody | WB (Western Blot), ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry)                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen                                      | Recombinant CA12 (Ala25-Leu302) expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cross Reactivity                               | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Conjugated Antibody                            | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                     |

IMAGES



IHC (Immunohiostchemistry)  
DAB staining on fromalin fixed paraffin-embedded Kidney tissue



WB (Western Blot)  
Western Blot: Sample: Recombinant protein.

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 4502515                         |
| NCBI GeneID                      | 771                             |
| NCBI Accession #                 | NP_001209.1                     |
| NCBI GenBank Nucleotide #        | NM_001218.4                     |
| UniProt Accession #              | O43570; Q53YE5; Q9BWG2; B2RE24  |
| Molecular Weight                 | 38,408 Da                       |
| NCBI Official Full Name          | carbonic anhydrase 12 isoform 1 |
| NCBI Official Synonym Full Names | carbonic anhydrase 12           |
| NCBI Official Symbol             | CA12                            |
| NCBI Official Synonym Symbols    | CAXII; CA-XII; T18816; HsT18816 |
| NCBI Protein Information         | carbonic anhydrase 12           |
| UniProt Protein Name             | Carbonic anhydrase 12           |
| UniProt Gene Name                | CA12                            |
| UniProt Synonym Gene Names       | CA-XII                          |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/carbonic-anhydrase-xii-ca12-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/132896>