

**Goat anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4441a**

**Specification**

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**Goat anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody - Product Information**

Application	WB, IHC, Pep-ELISA
Primary Accession	<a href="#">O43570</a>
Other Accession	<a href="#">NP_001209.1</a> , <a href="#">NP_996808.1</a> , <a href="#">NP_001280571.1</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	39451

**Goat anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody - Additional Information**

**Gene ID** 771

**Other Names**

CA12; carbonic anhydrase 12; CA-XII; CAXII; HsT18816; T18816; carbonate dehydratase XII; carbonic anhydrase XII; carbonic dehydratase; tumor antigen HOM-RCC-3.1.3

**Dilution**

WB~~1:1000  
IHC~~1:100~500  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

This antibody is expected to recognize all reported isoforms (NP\_001209.1; NP\_996808.1; NP\_001280571.1).

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody - Protein Information**

**Name** CA12 ([HGNC:1371](#))

**Function**

Reversible hydration of carbon dioxide.

**Cellular Location**

Membrane; Single-pass type I membrane protein. Cell membrane

**Tissue Location**

Highly expressed in colon, kidney, prostate, intestine and activated lymphocytes. Expressed at much higher levels in the renal cell cancers than in surrounding normal kidney tissue Moderately expressed in pancreas, ovary and testis. Expressed in sweat glands and bronchiolar epithelium (PubMed:26911677)

**Goat anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody - Images**