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Datasheet for ABIN4998859

**anti-CA10 antibody (AA 142-225) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	CA10
Binding Specificity:	AA 142-225
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA10 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Western Blotting (WB)

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Carbonic anhydrase X
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	CA10
Alternative Name:	CA10 ( <a href="#">CA10 Products</a> )
Background:	Synonyms: CA 10, CA-RP X, CA10, CAH10_HUMAN, Carbonic anhydrase related protein,

## Target Details

Carbonic anhydrase-related protein 10, Carbonic anhydrase-related protein X, CARP X, CARPX, Cerebral protein 15, HUCEP 15.

Background: 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 X also referred to as Carbonic anhydrase-related protein X (CA-RP X) or Cerebral protein 15, 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 X does not exhibit catalytic activity. It is expressed primarily in brain and kidney and may play a role in brain development.

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months