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Datasheet for ABIN1398028

**anti-CA11 antibody (AA 101-200) (Alexa Fluor 488)**

## Overview

Quantity:	100 µL
Target:	CA11
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA11 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CA XI/Carbonic Anhydrase XI
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig
Purification:	Purified by Protein A.

## Target Details

Target:	CA11
Alternative Name:	CA11 ( <a href="#">CA11 Products</a> )
Background:	Synonyms: CA-RP II, CA-RP XI, CA-XI, CA11, CAH11_HUMAN, Carbonic anhydrase-related

## Target Details

protein 11, Carbonic anhydrase-related protein 2, CARP XI, CARP-2, CARP2.

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 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.

Gene ID: 770

## 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