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Datasheet for ABIN1387256 **anti-CA10 antibody (AA 142-225)**

Overview

Quantity:	100 µL
Target:	CA10
Binding Specificity:	AA 142-225
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA10 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

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 (CA10 Products)

Target Details

Background:	<p>Synonyms: CA 10, CA-RP X, CA10, CAH10_HUMAN, Carbonic anhydrase related protein, Carbonic anhydrase-related protein 10, Carbonic anhydrase-related protein X, CARP X, CARPX, Cerebral protein 15, HUCEP 15.</p> <p>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.</p>
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Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months