

Datasheet for ABIN7599276
anti-CA10 antibody (AA 1-328)



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Overview

Quantity:	100 µg
Target:	CA10
Binding Specificity:	AA 1-328
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA10 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Carbonic anhydrase 10/CA10 Antibody Picoband®
Immunogen:	E.coli-derived human Carbonic anhydrase 10/CA10 recombinant protein (Position: M1-K328).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Carbonic anhydrase 10/CA10 Antibody Picoband® (ABIN7599276). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CA10
Alternative Name:	CA10 (CA10 Products)
Background:	Synonyms: Suppressor of tumorigenicity 7 protein,Protein FAM4A1,Protein HELG,ST7,FAM4A1, HELG, RAY1, Tissue Specificity: Ubiquitously expressed, with highest levels in heart, liver and pancreas. . Background: Carbonic anhydrase-related protein 10 is an enzyme that in humans is encoded by the CA10 gene. This gene encodes a protein that belongs to the carbonic anhydrase family of zinc metalloenzymes, which catalyze the reversible hydration of carbon dioxide in various biological processes. The protein encoded by this gene is an acatalytic member of the alpha-carbonic anhydrase subgroup, and it is thought to play a role in the central nervous system, especially in brain development. Multiple transcript variants encoding the same protein have been found for this gene.
Molecular Weight:	38 kDa
Gene ID:	56934

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Hewett-Emmett, D., Tashian, R. E. Functional diversity, conservation, and convergence in the evolution of the alpha-, beta-, and gamma-carbonic anhydrase gene families. Molec. Phylogenet. Evol. 5: 50-77, 1996. 2. Kleiderlein, J. J., Nisson, P. E., Jessee, J., Li, W.-B., Becker, K. G., Derby, M. L., Ross, C. A., Margolis, R. L. CCG repeats in cDNAs from human brain. Hum. Genet. 103: 666-673, 1998. Erratum: Hum. Genet. 104: 113 only, 1999. 3. Lovejoy, D. A., Hewett-Emmett, D., Porter, C. A., Cepoi, D., Sheffield, A., Vale, W. W., Tashian, R. E. Evolutionarily conserved, 'acatalytic' carbonic anhydrase-related protein XI contains a sequence motif present in the neuropeptide sauvagine: the human CA-RP XI gene (CA11) is embedded between the secretor gene cluster and the DBP gene at 19q13.3. Genomics 54: 484-493, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.