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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Carbonic Anhydrase 4/CA4 Picoband® Antibody Biotin Conjugated

Catalog Number: A01523-3-Biotin

About Ca4

Carbonic anhydrase 4 is an enzyme that in humans is encoded by the CA4 gene. It is mapped to 11; 11 C. Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. This gene encodes a glycosylphosphatidyl-inositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and proximal renal tubules. Its exact function is not known; however, it may have a role in inherited renal abnormalities of bicarbonate transport.

Overview

Product Name	Anti-Carbonic Anhydrase 4/CA4 Picoband® Antibody Biotin Conjugated
Reactive Species	Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q64444

Technical Details

Immunogen	E.coli-derived mouse Carbonic Anhydrase 4/CA4 recombinant protein (Position: E25-L291).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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For Research Use Only. Not for use in diagnostic procedures.