

Datasheet for ABIN633032
anti-CA5B antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CA5B
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA5B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Carbonic Anhydrase Vb antibody (Mitochondrial) was raised using the N terminal of CA5 B corresponding to a region with amino acids WRDSVYDPGLKPLTISYDPATCLHWNNNGYSFLVEFEDSTDKSVIKGGPL
Specificity:	Carbonic Anhydrase Vb antibody (Mitochondrial) was raised against the N terminal of CA5 B
Purification:	Affinity purified

Target Details

Target:	CA5B
Alternative Name:	Carbonic Anhydrase Vb (CA5B Products)
Background:	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,

Target Details

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. CA VB is localized in the mitochondria and shows the highest sequence similarity to the other mitochondrial CA, CA VA. It has a wider tissue distribution than CA VA, which is restricted to the liver. The differences in tissue distribution suggest that the two mitochondrial carbonic anhydrases evolved to assume different physiologic roles.

Molecular Weight: 33 kDa (MW of target protein)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: Carbonic Anhydrase Vb Blocking Peptide (Mitochondrial), catalog no. 33R-9998, is also available for use as a blocking control in assays to test for specificity of this Carbonic Anhydrase Vb antibody (Mitochondrial)

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of CA0 antibody in PBS

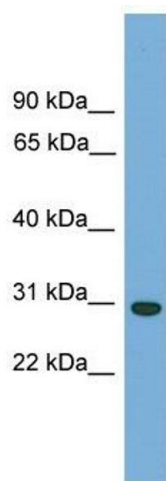
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. Carbonic Anhydrase Vb antibody (Mitochondrial) used at 1 ug/ml to detect target protein.