

Datasheet for ABIN2788331
anti-CA5A antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CA5A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Cow, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CA5A
Sequence:	AVIGVFLKLG AHHQLQLRV DILPEIKHKD ARAAMRPFDP STLLPTCWDY
Predicted Reactivity:	Cow: 85%, Dog: 77%, Horse: 85%, Human: 100%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against CA5A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CA5A
Alternative Name:	CA5A (CA5A 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 VA is localized in the mitochondria and expressed primarily in the liver. It may play an important role in ureagenesis and gluconeogenesis. CA5A gene maps to chromosome 16q24.3 and an unprocessed pseudogene has been assigned to 16p12-p11.2.

Alias Symbols: CA5, CAV, CAVA
Protein Interaction Partner: UBC,
Protein Size: 305

Molecular Weight: 34 kDa

Gene ID: 763

NCBI Accession: [NM_001739](#), [NP_001730](#)

UniProt: [P35218](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 305 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

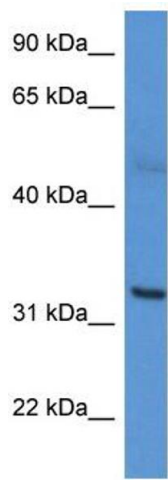
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-CA5A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: A549 cell lysate