

CA VA Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01060
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CA5A. AA range:171-220
Mol wt	34750
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	CA VA Antibody
Synonyms	CA5A; CA5; Carbonic anhydrase 5A; mitochondrial; Carbonate dehydratase VA; Carbonic anhydrase VA; CA-VA

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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, 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.

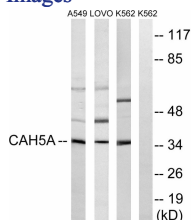
Recommended Dilution

WB: 1: 500 - 1: 2000

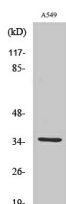
ELISA: 1: 40000

Not yet tested in other applications.

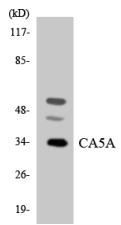
Images



Western blot analysis of lysates from A549, LOVO, and K562 cells, using CA5A Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using CA VA Polyclonal Antibody



Western blot analysis of the lysates from K562 cells using CA5A antibody.

Storage

-20°C for one year

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