

CA VA Polyclonal Antibody
Catalog # AP68759**Specification**

CA VA Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P35218
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

CA VA Polyclonal Antibody - Additional Information**Gene ID** 763**Other Names**

CA5A; CA5; Carbonic anhydrase 5A; mitochondrial; Carbonate dehydratase VA; Carbonic anhydrase VA; CA-VA

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CA VA Polyclonal Antibody - Protein Information**Name** CA5A ([HGNC:1377](#))**Synonyms** CA5**Function**

Mitochondrial carbonic anhydrase that catalyzes the reversible conversion of carbon dioxide to bicarbonate/HCO₃ (PubMed:<[a href="http://www.uniprot.org/citations/24530203" target="_blank">24530203](http://www.uniprot.org/citations/24530203), PubMed:<[a href="http://www.uniprot.org/citations/8356065" target="_blank">8356065](http://www.uniprot.org/citations/8356065)). Mitochondria are impermeable to HCO₃, and thus this intramitochondrial carbonic anhydrase is pivotal in providing HCO₃ for multiple mitochondrial enzymes that catalyze the formation of essential metabolites of intermediary metabolism in the urea and Krebs cycles (PubMed:<[a href="http://www.uniprot.org/citations/24530203" target="_blank">24530203](http://www.uniprot.org/citations/24530203)).

Cellular Location

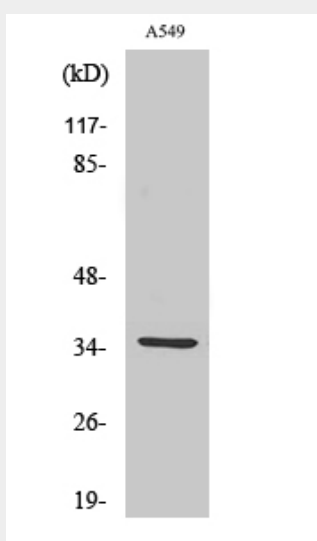
Mitochondrion.

CA VA Polyclonal Antibody - Protocols

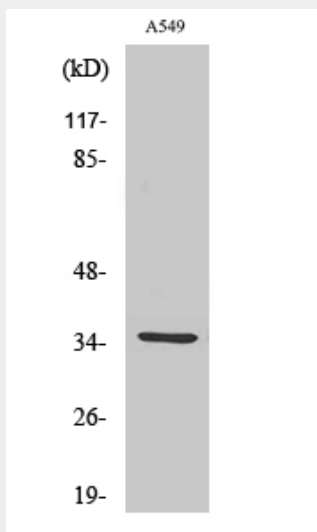
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CA VA Polyclonal Antibody - Images



Western Blot analysis of various cells using CA VA Polyclonal Antibody



Western Blot analysis of various cells using CA VA Polyclonal Antibody

CA VA Polyclonal Antibody - Background

Reversible hydration of carbon dioxide. Low activity.