

CA VA Polyclonal Antibody

Catalog # AP68759

Product Information

Application	WB, E
Primary Accession	P35218
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34750

Additional Information

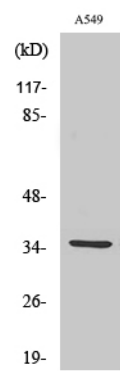
Gene ID	763
Other Names	CA5A; CA5; Carbonic anhydrase 5A; mitochondrial; Carbonate dehydratase VA; Carbonic anhydrase VA; CA-VA
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	CA5A (HGNC:1377)
Synonyms	CA5
Function	Mitochondrial carbonic anhydrase that catalyzes the reversible conversion of carbon dioxide to bicarbonate/HCO ₃ (PubMed: 24530203 , PubMed: 8356065). Mitochondria are impermeable to HCO ₃ , and thus this intramitochondrial carbonic anhydrase is pivotal in providing HCO ₃ for multiple mitochondrial enzymes that catalyze the formation of essential metabolites of intermediary metabolism in the urea and Krebs cycles (PubMed: 24530203).
Cellular Location	Mitochondrion.

Background

Reversible hydration of carbon dioxide. Low activity.



Western Blot analysis of various cells using CA VA Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.