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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℃

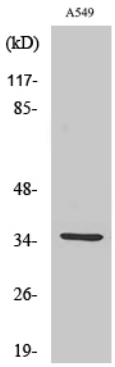
Protein Information

Name	CA5A (HGNC:1377)
Synonyms	CA5
Function	Mitochondrial carbonic anhydrase that catalyzes the reversible conversion of carbon dioxide to bicarbonate/HCO3 (PubMed:24530203, PubMed:8356065, PubMed:16807956, PubMed:16686544, PubMed:17127057, PubMed:17314045, PubMed:19186056, PubMed:19206230). 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:24530203).
Cellular Location	Mitochondrion.

Background

Reversible hydration of carbon dioxide. Low activity.

Images



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'.