



CA VA rabbit pAb

Cat No.:ES1813

For research use only

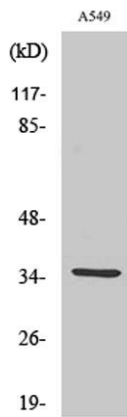
Overview

Product Name	CA VA rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CA5A. AA range:171-220
Specificity	CA VA Polyclonal Antibody detects endogenous levels of CA VA protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Carbonic anhydrase 5A mitochondrial
Gene Name	CA5A
Cellular localization	Mitochondrion .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	35kD
Human Gene ID	763
Human Swiss-Prot Number	P35218
Alternative Names	CA5A; CA5; Carbonic anhydrase 5A; mitochondrial; Carbonate dehydratase VA; Carbonic anhydrase VA; CA-VA
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,

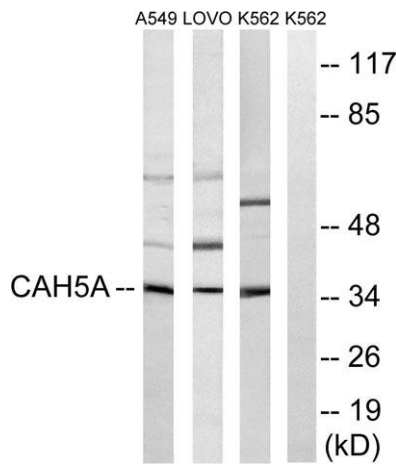




and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA VA is localized in the mitochondria and expressed primarily in the liver. It may play an important role in ureagenesis and gluconeogenesis. CA5A gene maps to chromosome 16q24.3 and an unprocessed pseudogene has been assigned to 16p12-p11.2. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using CA VA Polyclonal Antibody

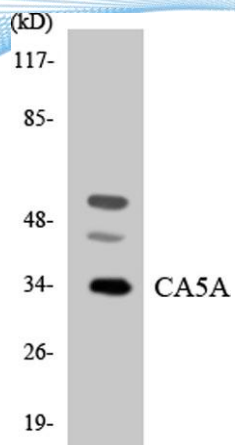


Western blot analysis of lysates from A549, LOVO, and K562 cells, using CA5A Antibody. The lane on the right is blocked with the synthesized peptide.





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



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