

ARG58363 anti-CA5A / Carbonic Anhydrase 5A antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CA5A / Carbonic Anhydrase 5A
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CA5A / Carbonic Anhydrase 5A
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 39-305 of Human CA5A (NP_001730.1).
Conjugation	Un-conjugated
Alternate Names	EC 4.2.1.1; Carbonic anhydrase VA; Carbonic anhydrase 5A, mitochondrial; GS1-21A4.1; CA5; CAV; CA5AD; Carbonate dehydratase VA; CAVA; CA-VA

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	LO2	
Observed Size	35 kDa	

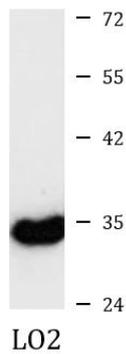
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CA5A
Gene Full Name	carbonic anhydrase VA, mitochondrial
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]
Function	Reversible hydration of carbon dioxide. Low activity. [UniProt]
Calculated Mw	35 kDa
Cellular Localization	Mitochondrion,. [UniProt]

Images



ARG58363 anti-CA5A / Carbonic Anhydrase 5A antibody WB image

Western blot: 25 µg of LO2 cell lysate stained with ARG58363 anti-CA5A / Carbonic Anhydrase 5A antibody at 1:1000 dilution.