ARG67297
anti-CA14 / Carbonic Anhydrase 14 antibody [SQab30392]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab30392] recognizes CA14 / Carbonic Anhydrase 14
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab30392
Isotype	IgG
Target Name	CA14 / Carbonic Anhydrase 14
Immunogen	Synthetic peptide
Conjugation	Un-conjugated
Alternate Names	Carbonate dehydratase XIV; CA-XIV; Carbonic anhydrase 14; EC 4.2.1.1; CAXiV; Carbonic anhydrase XIV

Application Instructions

Application table

Application	Dilution
IHC-P	1:100-1:200

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

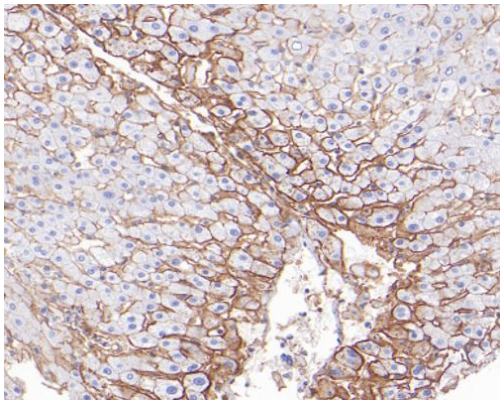
Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
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 or below. 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	CA14
Gene Full Name	carbonic anhydrase XIV
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 XIV is predicted to be a type I membrane protein and shares highest sequence similarity with the other transmembrane CA isoform, CA XII; however, they have different patterns of tissue-specific expression and thus may play different physiologic roles. [provided by RefSeq, Jul 2008]
Function	Reversible hydration of carbon dioxide. [UniProt]
Highlight	Related products: Carbonic Anhydrase antibodies; Carbonic Anhydrase ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG67297 anti-CA14 / Carbonic Anhydrase 14 antibody [SQab30392] IHC-P image

Immunohistochemistry: Human liver stained with ARG67297 anti-CA14 / Carbonic Anhydrase 14 antibody [SQab30392].