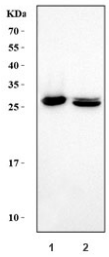
Carbonic Anhydrase I Antibody (R30495)

Catalog No.	Formulation	Size
R30495	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P00915
Applications	0.5-1ug/ml
Limitations	This Carbonic Anhydrase I antibody is available for research use only.



Western blot testing of 1) human HEL and 2) rat spleen tissue lysate with Carbonic Anhydrase I antibody. Predicted molecular weight ~29 kDa.

Description

Carbonic anhydrase I is an enzyme that in humans is encoded by the CA1 gene, mapped to 8q22. This protein is highly expressed in erythrocytes. As a catalyst of the reversible hydration of carbon dioxide, the protein participate in a variety of biologic processes such as respiration, calcification, and acid-base balance.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Carbonic Anhydrase I antibody

may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids SYNPATAKEIINVGHSFH were used as the immunogen for this Carbonic Anhydrase I antibody.

Storage

After reconstitution, the Carbonic Anhydrase I antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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