

Anti-Carbonic Anhydrase XIV antibody



Catalog Number: 103065

Product name

Anti-Carbonic Anhydrase XIV antibody

Immunogen

[Human Carbonic Anhydrase XIV \(His Tag\) recombinant protein](#)

Specificity

Human Carbonic Anhydrase XIV / CA14
No cross-reactivity in ELISA with Human CARPX; \

Antibody description

Rabbit monoclonal to Carbonic Anhydrase XIV

Preparation

This antibody was obtained from a rabbit immunized with purified, recombinant Human Carbonic Anhydrase XIV / CA14 (rh Carbonic Anhydrase XIV / CA14; NP_036245.1; Met 1-Met 290).

Formulation

0.2 µm filtered solution in PBS with 5% trehalose

Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

Clonality

Monoclonal

Ig Type

Rabbit IgG

Applications

ELISA, IHC-P, IF, ICC/IF

Dilutions

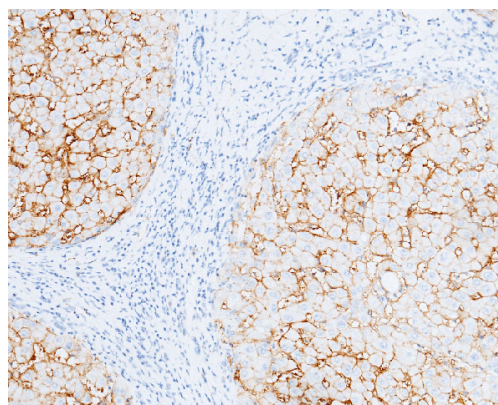
ELISA: 0.1-0.2 µg/mL

This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect Human CA14. The detection limit for Human CA14 is approximately 0.00245 ng/well.

IHC-P: 2-8 µg/mL

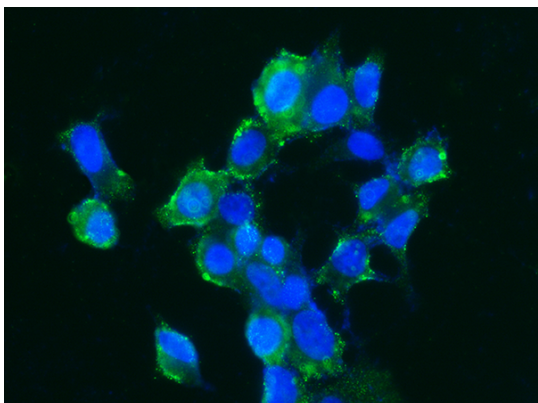
ICC/IF: 10-25 µg/mL

Validations



Carbonic Anhydrase XIV / CA14 Antibody, Rabbit MAb, Immunohistochemistry

Immunochemical staining of human CA14 in human liver with rabbit monoclonal antibody (5 µg/mL, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of hepatocyte.



Carbonic Anhydrase XIV / CA14 Antibody, Rabbit MAb, Immunofluorescence

Immunofluorescence staining of Human CA14 in MCF7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human CA14 monoclonal antibody (15 $\mu\text{g/ml}$) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cell membrane.