

# Anti-Carbonic Anhydrase VB antibody



Catalog Number: 100917

## Product name

Anti-Carbonic Anhydrase VB antibody

## Immunogen

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

## Specificity

Human Carbonic Anhydrase VB / CA5B

## Antibody description

Rabbit polyclonal to Carbonic Anhydrase VB

## Preparation

Produced in rabbits immunized with purified, recombinant Human Carbonic Anhydrase VB / CA5B (rh Carbonic Anhydrase VB / CA5B; Q9Y2D0; Cys34-Pro317). Carbonic Anhydrase VB / CA5B specific IgG was purified by Human Carbonic Anhydrase VB / CA5B affinity chromatography.

## Formulation

0.2 µm filtered solution in PBS

## 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

Polyclonal

## Ig Type

Rabbit IgG

## Applications

ELISA, WB, IP

## Dilutions

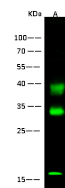
WB: 5-10 µg/ml

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 Carbonic Anhydrase VB / CA5B. The detection limit for Human Carbonic Anhydrase VB / CA5B is approximately 0.039 ng/well.

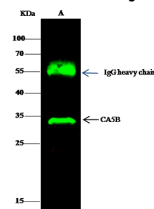
IP: 1-4 µg/mg of lysate

## Validations



Lanes	A
Items	
Sample	Mouse liver tissue lysate
Sample volume (µg/lane)	30
gel	13% SDS-PAGE reducing gel
Recommended Concentration	5-10 µg/ml
Secondary Antibody	Dylight 800-labeled Antibody to Rabbit IgG (H+L), at 1:5000 dilution.
Explanation	Developed using Odyssey imaging system. Predicted band size: 36 kDa Observed band size: 38 kDa Additional bands at: 34 kDa and 16 kDa (We are unsure as to the identity of these extra bands. They are possible non-specific bindings).

Carbonic Anhydrase VB / CA5B Antibody, Rabbit PAb, Antigen Affinity Purified, Western blot



Lanes	A
Items	
Sample (whole cell lysate)	MCF-7
Sample quantity	0.5 mg
IP antibody quantity	2 µg
Protein G agarose	15 µl of 50% Protein G Agarose
gel	13% SDS-PAGE reducing gel
Primary antibody	CA5B-His antibody at 5 µg/ml
Secondary antibody	Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.

Carbonic Anhydrase VB / CA5B Antibody, Rabbit PAb, Antigen Affinity Purified,

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Immunoprecipitation

human placenta with rabbit polyclonal antibody (1  $\mu\text{g}/\text{mL}$ , formalin-fixed paraffin embedded sections).

Immunochemical staining of human TROP2 in