Anti-Carbonic Anhydrase IV / Car4 / CA4 antibody

Catalog Number: 103848

Product name

Anti-Carbonic Anhydrase IV / Car4 / CA4 antibody

Immunogen

Human Carbonic Anhydrase IV / Car4 / CA4 (His Tag) recombinant protein

Specificity

Human Carbonic Anhydrase IV / CA4

Antibody description

Rabbit polyclonal to Carbonic Anhydrase IV / Car4 / CA4

Preparation

Produced in rabbits immunized with purified, recombinant Human Carbonic Anhydrase IV / CA4 (rh Carbonic Anhydrase IV / CA4; NP_000708.1; Met 1-Lys 283). Carbonic Anhydrase IV / CA4 specific IgG was purified by Human Carbonic Anhydrase IV / CA4 affinity chromatography.

Formulation

0.2 µm filtered solution in PBS with 5% trehalose

Storage

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

WB, IHC-P, IP

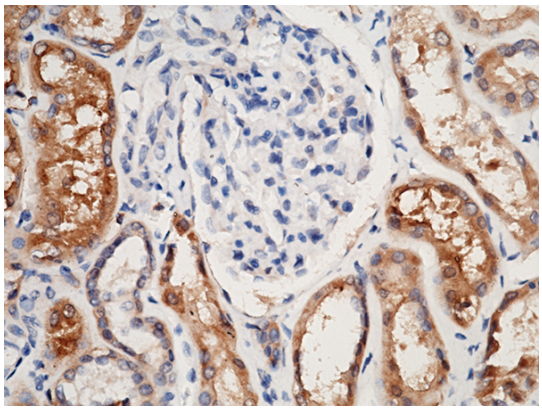
Dilutions

WB: 10-20 µg/mL

IHC-P: 0.5-2 µg/mL

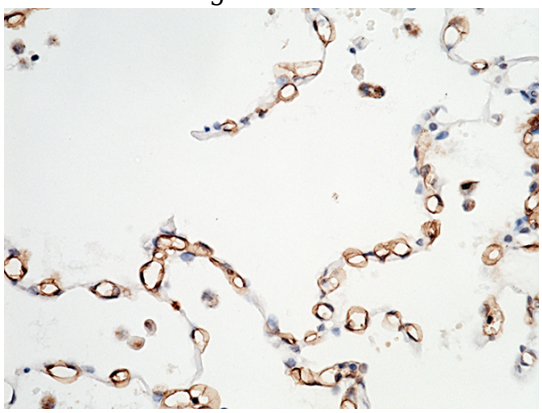
IP: 4-8 µg/mg of lysate

Validations



Carbonic Anhydrase IV / CA4 Antibody, Rabbit PAb, Antigen Affinity Purified, Immunohistochemistry

Immunochemical staining of human CA4 in human kidney with rabbit polyclonal antibody (1 µg/mL, formalin-fixed paraffin embedded sections). Positive staining was localized to renal tubules.



Carbonic Anhydrase IV / CA4 Antibody, Rabbit PAb, Antigen Affinity Purified,

Anti-Carbonic Anhydrase IV / Car4 / CA4 antibody

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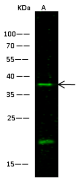
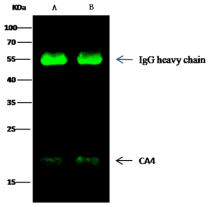
Immunohistochemistry

Immunochemical staining of human CA4 in human lung with rabbit polyclonal antibody (1 µg/mL, formalin-fixed paraffin embedded sections). Positive staining was localized to pulmonary capillaries.



Lanes / Items	A
Sample (whole cell lysate)	A431
Sample Volume (µg/lane)	30
Gel	13% SDS-PAGE reducing gel
Recommended Concentration	10-20µg/ml
Secondary Antibody	Dylight 800-labeled Antibody To Rabbit IgG (H+L), at 1:5000 dilution.
Developed using Odyssey imaging system.	
Explaination	Predicted band size : 35 kDa Observed band size : 37 kDa Additional bands at :20 kDa (We are unsure as to the identity of these extra bands. They are possible non-specific binding).



Lanes / Items	A	B
Sample (whole cell lysate)	293T	HeLa
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	CA4 antibody at 5 µg/ml [Cat# 10472-R002]	
Secondary antibody	Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.	

Carbonic Anhydrase IV / CA4 Antibody, Rabbit PAb, Antigen Affinity Purified, Immunoprecipitation