abcam

ab108367

Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR5193
Purification technique	Affinity purification Protein A
Concentration	0.641 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Not recommended

Species	Mouse, Rat, Zebrafish, Human
Dilution info	-
Notes	-

IP

Not recommended

Species	Mouse, Rat, Zebrafish, Human
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/10000 - 1/50000
Notes	-

Species	Rat
Dilution info	1/10000 - 1/50000
Notes	-

Species	Zebrafish
Dilution info	1/10000 - 1/50000
Notes	-

Species	Human
Dilution info	1/10000 - 1/50000
Notes	-

IHC-P

Not recommended

Species	Mouse, Rat, Zebrafish, Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/60
Notes	-

Expected

Species	Mouse, Rat, Zebrafish
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information Carbonic anhydrase 1

Function	Catalyzes the reversible hydration of carbon dioxide (PubMed:10550681, PubMed:16506782, PubMed:16686544, PubMed:16807956, PubMed:17127057, PubMed:17314045, PubMed:17407288, PubMed:18618712, PubMed:19186056, PubMed:19206230). Can hydrate cyanamide to urea (PubMed:10550681).

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Storage information	Stable for 12 months at -20°C

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity

- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

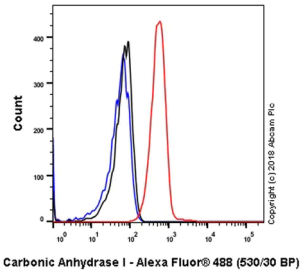
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

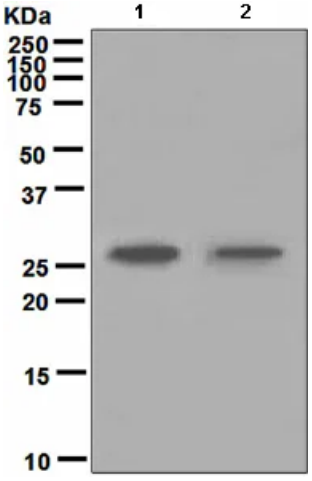
3 product images



Flow Cytometry (Intracellular) - Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193] (ab108367)

Carbonic Anhydrase 1/CA1 Flow Cytometry (Intracellular) staining using rabbit Anti-Carbonic Anhydrase 1/CA1 antibody

Intracellular Flow Cytometry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labeling Carbonic Anhydrase I/CA1 with Purified ab108367 at 1/60 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluorr® 488, ab150077) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193] (ab108367)

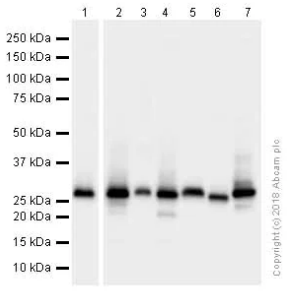
Carbonic Anhydrase 1/CA1 Western blot staining using rabbit Anti-Carbonic Anhydrase 1/CA1 antibody

All lanes:
Western blot - Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193] (ab108367) at 1/10000 dilution

Lane 1:
K562 cell lysates at 10 µg

Lane 2:
TF1 cell lysates at 10 µg

Predicted band size: 28 kDa



Western blot - Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193] (ab108367)

All lanes:
Western blot - Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193] (ab108367) at 1/10000 dilution

Lane 1:
TF-1 (Human Erythroleukemia erythroblast) whole cell lysates at 20 µg

Lane 2:
Mouse spleen lysates at 20 µg

Lane 3:
Rat brain lysates at 20 µg

Lane 4:
Rat spleen lysates at 20 µg

Lane 5:
Zebrafish eye lysates at 20 µg

Lane 6:
Mouse kidney lysates at 20 µg

Lane 7:
HEL (Human Erythroleukemia erythroblast) whole cell lysates at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 28 kDa

Observed band size: 29 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.