

Product datasheet

Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193] ab108367

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [8 References](#) [4 Images](#)

Overview

Product name	Anti-Carbonic Anhydrase 1/CA1 antibody [EPR5193]
Description	Rabbit monoclonal [EPR5193] to Carbonic Anhydrase 1/CA1
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt (Intra) Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human, Zebrafish
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: TF-1, Mouse spleen lysates, Rat brain lysates, Rat spleen lysates, Zebrafish eye lysates, Mouse kidney lysates, HEL, K-562 whole cell lysates Flow Cyt (intra): K-562 cells IHC-Fr: Zebrafish retina tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR5193

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108367 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 29 kDa.
Flow Cyt (Intra)		1/60.

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

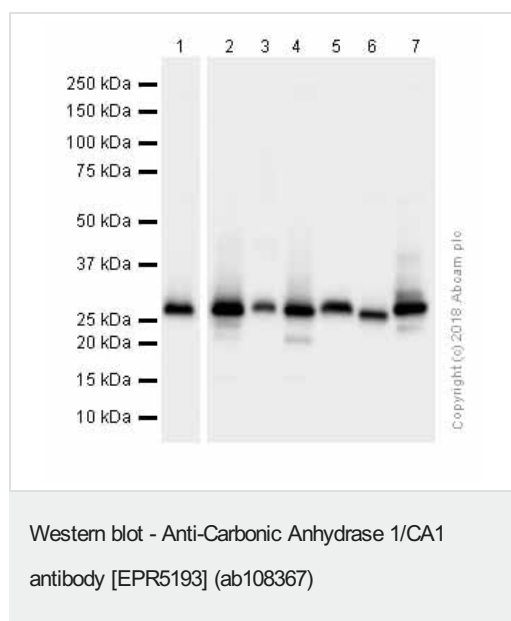
Target

Function Reversible hydration of carbon dioxide. Can hydrates cyanamide to urea.

Sequence similarities Belongs to the alpha-carbonic anhydrase family.

Cellular localization Cytoplasm.

Images



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

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

Lane 2 : Mouse spleen lysates

Lane 3 : Rat brain lysates

Lane 4 : Rat spleen lysates

Lane 5 : Zebrafish eye lysates

Lane 6 : Mouse kidney lysates

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

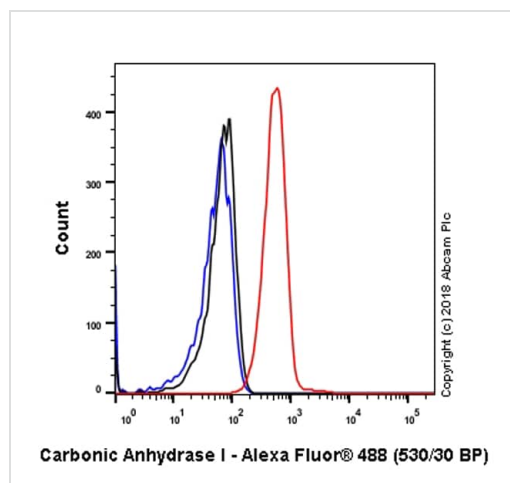
Lysates/proteins at 20 µg per lane.

Secondary

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

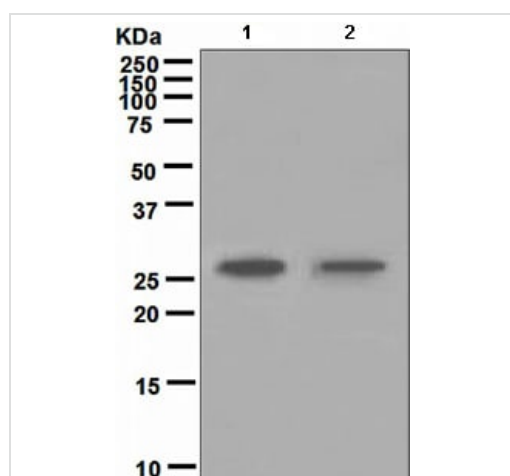
Predicted band size: 29 kDa

Observed band size: 29 kDa



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

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 (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 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)

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

Lane 1 : K562 cell lysates

Lane 2 : TF1 cell lysates

Lysates/proteins at 10 µg per lane.

Predicted band size: 29 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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