


## Product datasheet

# Anti-Carbonic Anhydrase 5B/CA5B antibody ab196800

[2 Images](#)

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-Carbonic Anhydrase 5B/CA5B antibody  |
| <b>Description</b>         | Rabbit polyclonal to Carbonic Anhydrase 5B/CA5B   |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> ICC/IF, WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Human<br><b>Predicted to work with:</b> Rat   |
| <b>Immunogen</b>           | Synthetic peptide corresponding to Human Carbonic Anhydrase 5B/CA5B (internal sequence).<br>Database link: <a href="#">Q9Y2D0</a>   |
| <b>Positive control</b>    | NIH/3T3 cell extracts; MCF7 cells   |
| <b>General notes</b>       | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.   |
| <b>Storage buffer</b>       | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride<br><br>PBS without Mg <sup>2+</sup> and Ca <sup>2+</sup> |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab196800 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   |
|-------------|-----------|---|
| ICC/IF      |           | 1/100 - 1/500.                                      |
| WB          |           | 1/500 - 1/3000. Predicted molecular weight: 36 kDa. |

## Target

### Function

Reversible hydration of carbon dioxide.

### Tissue specificity

Strongest expression in heart, pancreas, kidney, placenta, lung, and skeletal muscle. Not expressed in liver.

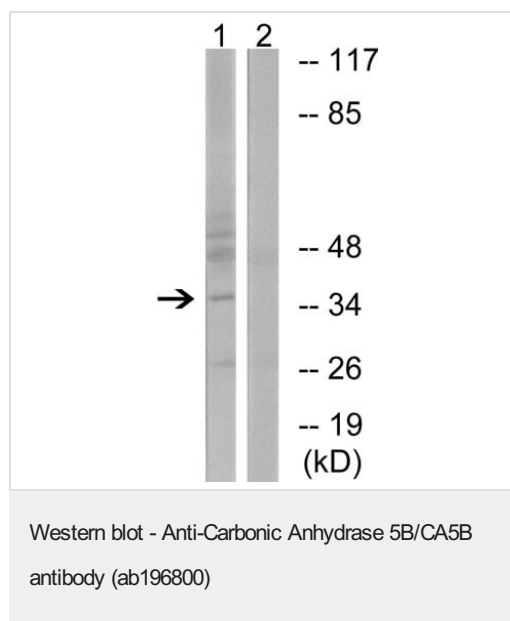
### Sequence similarities

Belongs to the alpha-carbonic anhydrase family.  
Contains 1 alpha-carbonic anhydrase domain.

### Cellular localization

Mitochondrion.

## Images

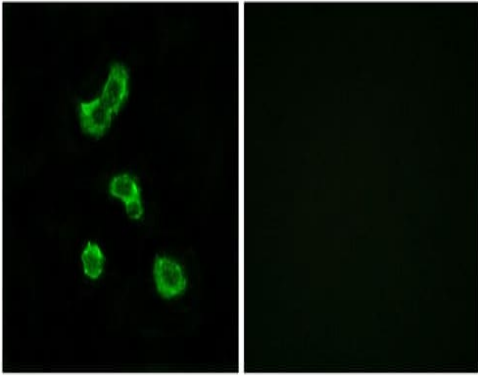


**All lanes** : Anti-Carbonic Anhydrase 5B/CA5B antibody (ab196800) at 1/500 dilution

**Lane 1** : NIH/3T3 cell extract

**Lane 2** : NIH/3T3 cell extract with synthesized peptide

**Predicted band size:** 36 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Carbonic Anhydrase 5B/CA5B antibody (ab196800)

Immunofluorescence analysis of MCF7 cells, labeling Carbonic Anhydrase 5B/CA5B with ab196800 at 1/100 dilution. The image on the right is treated with synthesized peptide.

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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