

Datasheet for ABIN7650494  
**anti-CA8 antibody (CF®405S)**



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## Overview

|              |                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                         |
| Target:      | CA8                                                                                                                            |
| Reactivity:  | Human                                                                                                                          |
| Host:        | Mouse                                                                                                                          |
| Clonality:   | Monoclonal                                                                                                                     |
| Conjugate:   | This CA8 antibody is conjugated to CF®405S                                                                                     |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Purpose:         | Carbonic Anhydrase VIII(CPTC-CA8-2), CF405S conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen:       | Recombinant full-length human CA8 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clone:           | CPTC-CA8-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Isotype:         | IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Characteristics: | Carbonic anhydrase VIII (carbonic anhydrase 8) was named because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic anhydrase activity (i. e. , the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. Mutations in the gene cause neurological disorders in mice. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue |

## Product Details

fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------|
| Target:           | CA8                                                                                                      |
| Alternative Name: | Carbonic Anhydrase VIII                                                                                  |
| Background:       | Synonyms: Carbonic Anhydrase VIII, Carbonic Anhydrase 8, CA-VIII, CA-Related Protein<br>Gene Symbol: CA8 |
| Molecular Weight: | 32.97 kDa                                                                                                |
| Gene ID:          | 767                                                                                                      |
| UniProt:          | <a href="#">P35219</a>                                                                                   |

## Application Details

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator.                                        |
| Comment:           | Positive Control: Human cerebellum. Selective expression in purkinje cells. HEK-293 and K-562 cell lines. |
| Restrictions:      | For Research Use only                                                                                     |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.1 mg/mL                                                                                                              |
| Buffer:            | PBS, 0.1 % BSA, 0.05 % azide                                                                                           |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Protect from light                                                                                                     |
| Storage:           | 4 °C                                                                                                                   |
| Storage Comment:   | Stable at room temperature or 37°C for 7 days.<br>Protect from light                                                   |

Handling

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Store at 2 to 8°C. Protect fluorescent conjugates from light

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Expiry Date: 24 months