

# Product Data Sheet

## Anti-Carbonic Anhydrase 8 Antibody

| Catalog #                | Source                                                                                                                                              | Reactivity     | Applications |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| CPA3808                  | Rabbit                                                                                                                                              | H, M, R, B, Mk | WB, IH       |
| <b>Description</b>       | Rabbit polyclonal antibody to Carbonic Anhydrase 8                                                                                                  |                |              |
| <b>Immunogen</b>         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Carbonic Anhydrase 8. The exact sequence is proprietary. |                |              |
| <b>Purification</b>      | The antibody was purified by immunogen affinity chromatography.                                                                                     |                |              |
| <b>Specificity</b>       | Recognizes endogenous levels of Carbonic Anhydrase 8 protein.                                                                                       |                |              |
| <b>Clonality</b>         | Polyclonal                                                                                                                                          |                |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                           |                |              |
| <b>Dilution</b>          | WB (1/500 - 1/1000), IH (1/100 - 1/200)                                                                                                             |                |              |
| <b>Gene Symbol</b>       | CA8                                                                                                                                                 |                |              |
| <b>Alternative Names</b> | CALS; Carbonic anhydrase-related protein; CARP; Carbonic anhydrase VIII; CA-VIII                                                                    |                |              |
| <b>Entrez Gene</b>       | 767 (Human); 12319 (Mouse); 297814 (Rat)                                                                                                            |                |              |
| <b>SwissProt</b>         | P35219 (Human); P28651 (Mouse); Q5PPN4 (Rat)                                                                                                        |                |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                    |                |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

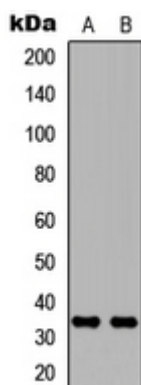
**WEB**  
[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**  
[order@cohesionbio.com](mailto:order@cohesionbio.com)

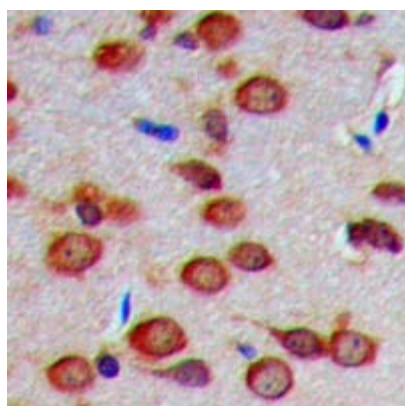
**SUPPORT**  
[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**  
[custom@cohesionbio.com](mailto:custom@cohesionbio.com)

## Product Data Sheet



Western blot analysis of Carbonic Anhydrase 8 expression in MCF7 (A), NS-1 (B) whole cell lysates.



Immunohistochemical analysis of Carbonic Anhydrase 8 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugad compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

**COHESION BIOSCIENCES LIMITED**

**WEB**  
[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**  
[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**  
[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**  
[custom@cohesionbio.com](mailto:custom@cohesionbio.com)