

CA5B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7308b**Specification**

CA5B Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y2D0](#)**CA5B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 11238**Other Names**

Carbonic anhydrase 5B, mitochondrial, Carbonate dehydratase VB, Carbonic anhydrase VB, CA-VB, CA5B

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CA5B Antibody (C-term) Blocking Peptide - Protein Information**Name** CA5B**Function**Mitochondrial carbonic anhydrase that catalyzes the reversible conversion of carbon dioxide to bicarbonate/HCO₃.**Cellular Location**

Mitochondrion.

Tissue Location

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

CA5B Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CA5B Antibody (C-term) Blocking Peptide - Images**CA5B Antibody (C-term) Blocking Peptide - Background**

CA5B belongs a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. This protein is localized in the mitochondria and shows the highest sequence similarity to the other mitochondrial CA, CA VA. The protein has a wider tissue distribution than CA VA, which is restricted to the liver.

CA5B Antibody (C-term) Blocking Peptide - References

Vullo,D., Nishimori,I. Bioorg. Med. Chem. Lett. 17 (5), 1336-1340 (2007)Shah,G.N. Proc. Natl. Acad. Sci. U.S.A. 97 (4), 1677-1682 (2000)Fujikawa-Adachi,K. J. Biol. Chem. 274 (30), 21228-21233 (1999)