

CA14 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7306a**Specification**

CA14 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9ULX7](#)**CA14 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 23632**Other Names**

Carbonic anhydrase 14, Carbonate dehydratase XIV, Carbonic anhydrase XIV, CA-XIV, CA14

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7306a](/products/AP7306a) was selected from the N-term region of human CA14. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CA14 Antibody (N-term) Blocking Peptide - Protein Information**Name** CA14**Function**

Reversible hydration of carbon dioxide.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

High expression in all parts of the central nervous system and lower expression in adult liver, heart, small intestine, colon, kidney, urinary bladder and skeletal muscle

CA14 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CA14 Antibody (N-term) Blocking Peptide - Images

CA14 Antibody (N-term) Blocking Peptide - Background

CA14 belongs a large family of zinc metalloenzymes that catalyze the versible hydration of carbon dioxide. The protein is predicted to be a type I membrane protein and shares highest sequence similarity with the other transmembrane CA isoform, CA XII; however, they have different patterns of tissue-specific expression and thus may play different physiologic roles.

CA14 Antibody (N-term) Blocking Peptide - References

Parkkila,S. Natl. Acad. Sci. U.S.A. 98 (4), 1918-1923 (2001)Fujikawa-Adachi,K., Nishimori,I. Genomics 61 (1), 74-81 (1999)Tarun,A.S., Bryant,B. Chem. Senses 28 (7), 621-629 (2003)