

CA11 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7304c**Specification**

CA11 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O75493](#)**CA11 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 770**Other Names**

Carbonic anhydrase-related protein 11, CA-RP XI, CA-XI, CARP XI, Carbonic anhydrase-related protein 2, CA-RP II, CARP-2, CA11, CARP2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7304c](/products/AP7304c) was selected from the Center region of human CA11. 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.

CA11 Antibody (Center) Blocking Peptide - Protein Information**Name** CA11**Synonyms** CARP2**Function**

Does not have a catalytic activity.

Cellular Location

Secreted.

Tissue Location

Expressed abundantly in the brain with moderate expression also present in spinal cord and thyroid

CA11 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CA11 Antibody (Center) Blocking Peptide - Images

CA11 Antibody (Center) Blocking Peptide - Background

CA11 belongs a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. CA11 is likely a secreted protein, however, radical changes at active site residues completely conserved in CA isozymes with catalytic activity, make it unlikely that it has carbonic anhydrase activity. This protein shares properties in common with two other acatalytic CA isoforms, CA VIII and CA X. The protein is most abundantly expressed in brain, and may play a general role in the central nervous system.

CA11 Antibody (Center) Blocking Peptide - References

Bellingham,J. Biochem. Biophys. Res. Commun. 253 (2), 364-367 (1998)Lovejoy,D.A.,
Hewett-Emmett,D. Genomics 54 (3), 484-493 (1998)