

CA11 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7304c**Specification****CA11 Antibody (Center) Blocking Peptide -
Product Information**Primary 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
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****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)

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](#)