

### CA3 Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP7633c

### **Specification**

## CA3 Antibody (Center) Blocking Peptide - Product Information

**Primary Accession** 

P07451

# CA3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 761

#### **Other Names**

Carbonic anhydrase 3, Carbonate dehydratase III, Carbonic anhydrase III, CA-III, CA3

#### **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.

#### CA3 Antibody (Center) Blocking Peptide - Protein Information

Name CA3 {ECO:0000303|PubMed:9651514, ECO:0000312|HGNC:HGNC:1374}

# **Function**

Reversible hydration of carbon dioxide.

# **Cellular Location**

Cytoplasm.

#### **Tissue Location**

Muscle specific.

### CA3 Antibody (Center) Blocking Peptide - Protocols

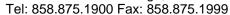
Provided below are standard protocols that you may find useful for product applications.

#### • Blocking Peptides

CA3 Antibody (Center) Blocking Peptide - Images

### CA3 Antibody (Center) Blocking Peptide - Background







Carbonic anhydrase III (CAIII) is a member of carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and present at high levels in skeletal muscle and much lower levels in cardiac and smooth muscle. A proportion of carriers of Duchenne muscle dystrophy have a higher CA3 level than normal.

## CA3 Antibody (Center) Blocking Peptide - References

Du, A.L., Autoimmunity 42 (3), 209-215 (2009) Dai, H.Y., Mol. Carcinog. 47 (12), 956-963 (2008)Gailly, P., Kidney Int. 74 (1), 52-61 (2008)