



## S100A6 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP7346b

### **Specification**

S100A6 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P06703

S100A6 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID 6277** 

### **Other Names**

Protein S100-A6, Calcyclin, Growth factor-inducible protein 2A9, MLN 4, Prolactin receptor-associated protein, PRA, S100 calcium-binding protein A6, S100A6, CACY

#### **Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href=/products/AP7346b>AP7346b</a> was selected from the C-term region of human S100A6. 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.

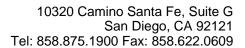
S100A6 Antibody (C-term) Blocking Peptide - Protein Information

# S100A6 Antibody (C-term) Blocking Peptide - Background

S100A6 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. This protein may function in stimulation of Ca2+-dependent insulin release, stimulation of prolactin secretion, and exocytosis.

# **S100A6 Antibody (C-term) Blocking Peptide - References**

van Dieck, J. J. Biol. Chem. 284 (20), 13804-13811 (2009)Tsoporis, J.N., Izhar, S. J. Biol. Chem. 283 (44), 30174-30183 (2008)Lee, Y.T., Dimitrova, Y.N. Biochemistry 47 (41), 10921-10932 (2008)Melle, C., Ernst, G. PLoS ONE 3 (12), E3767 (2008)





### Name S100A6

## **Synonyms** CACY

### **Function**

May function as calcium sensor and modulator, contributing to cellular calcium signaling. May function by interacting with other proteins, such as TPR-containing proteins, and indirectly play a role in many physiological processes such as the reorganization of the actin cytoskeleton and in cell motility. Binds 2 calcium ions. Calcium binding is cooperative.

## **Cellular Location**

Nucleus envelope. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side

# **S100A6 Antibody (C-term) Blocking Peptide - Protocols**

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

• Blocking Peptides