

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 [AP7346b](/products/AP7346b) 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](#)