

# S100 alpha 6 Antibody

Rabbit mAb
Catalog # AP91065

## **Specification**

# S100 alpha 6 Antibody - Product Information

Application WB, IHC, FC, ICC, IP

Primary Accession P06703
Reactivity Rat

Clonality Monoclonal

**Other Names** 

Protein S100-A6; Calcyclin; MLN 4; PRA; CACY; CABP; 5B10;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 10180 Da

# S100 alpha 6 Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

**S100** alpha 6

Description S100A6 (calcyclin) is involved in a number

of cellular processes, including exocytosis and cell cycle regulation. In addition, \$100A6 interacts with a number of

proteins such as SIP, GAPDH, and annexins in a calcium-dependent fashion. Research

studies demonstrate that a down

regulation of corresponding S100A6 gene expression causes a decrease in cell

proliferation.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

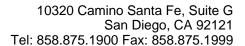
pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

# S100 alpha 6 Antibody - Protein Information

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**

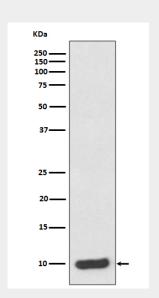
Nucleus envelope. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side

## S100 alpha 6 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## S100 alpha 6 Antibody - Images



Western blot analysis of S100 alpha 6 expression in HeLa cell lysate.