

# Anti-S100 alpha 6 S100A6 Rabbit Monoclonal Antibody

Catalog # ABO14131

## **Specification**

## Anti-S100 alpha 6 S100A6 Rabbit Monoclonal Antibody - Product Information

Application WB, IHC, IF, ICC, IP, FC

Primary Accession
Host
Rabbit
Isotype
Rabbit IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-S100 alpha 6 S100A6 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

# Anti-S100 alpha 6 S100A6 Rabbit Monoclonal Antibody - 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

#### **Calculated MW**

10180 MW KDa

## **Application Details**

WB 1:500-1:2000<br/>br>IHC 1:50-1:200<br/>br>ICC/IF 1:50-1:200<br/>br>IP 1:50<br/>FC 1:50

#### **Subcellular Localization**

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

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### **Immunogen**

A synthesized peptide derived from human S100 alpha 6

## **Purification**

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

## Anti-S100 alpha 6 S100A6 Rabbit Monoclonal 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

## Anti-S100 alpha 6 S100A6 Rabbit Monoclonal 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

## Anti-S100 alpha 6 S100A6 Rabbit Monoclonal Antibody - Images

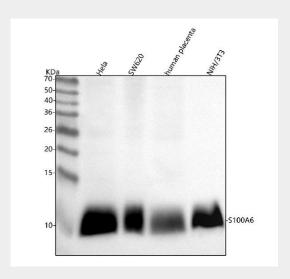


Figure 1. Western blot analysis of S100A6 using anti-S100A6 antibody (M02043).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

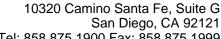
Lane 1: human Hela whole cell lysates,

Lane 2: human SW620 whole cell lysates,

Lane 3: human placenta tissue lysates,

Lane 4: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90





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minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-S100A6 antigen affinity purified monoclonal antibody (Catalog # M02043) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for S100A6 at approximately 10 kDa. The expected band size for S100A6 is at 10 kDa.