

Datasheet for ABIN534261

**anti-S100A1 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	S100A1
Reactivity:	Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This S100A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

## Product Details

Purpose:	Mouse monoclonal antibody raised against native S100A1.
Immunogen:	Native purified bovine brain S100A1.
Clone:	SPM354
Isotype:	IgG2a
Specificity:	This antibody recognizes 22 KDa for non-reduced S100A1 and 11 KDa for reduced S100A1.
Cross-Reactivity:	Cow, Human, Mouse, Rat
Characteristics:	Antibody Reactive Against Native Purified Protein.

## Target Details

Target:	S100A1
---------	--------

## Target Details

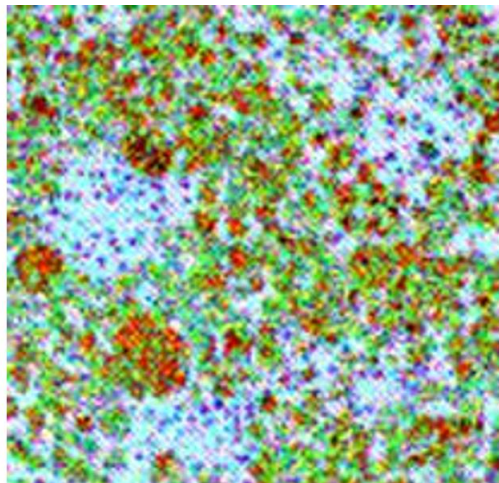
Alternative Name:	S100A1 ( <a href="#">S100A1 Products</a> )
Gene ID:	528735
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">S100 Proteins</a>

## Application Details

Application Notes:	Western Blot (0.1-1 µg/mL) ELISA (0.01-0.1 µg/mL) Immunoprecipitation (2-5 µg/mL) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	In PBS, pH 7.2 (BSA, 10 % Proclin300)
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing. Upon initial thawing, apportion into working aliquots and store at -80°C for up to six months.



#### Immunohistochemistry

**Image 1.** Immunohistochemical staining of human melanoma with S100A1 monoclonal antibody, clone SPM354 at 1 : 50 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.