



# Rabbit Anti-Mouse S100A6 monoclonal antibody, clone S127 (CABT-ZB806)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Mouse S100A6 It has no cross-reactivity in ELISA with Human S100A1, Human S100A2/CAN19/S100L.
<b>Target</b>	S100A6
<b>Immunogen</b>	Recombinant Mouse S100A6 protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	S127
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, ELISA(cap), IHC-P This antibody will detect S100A6 in antibody pair set. [ABPR-ZB386]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse S100A6 / Calcyclin.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL

<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	S100 protein is a family of low molecular weight protein found in vertebrates characterized by two EF-hand calcium-binding motifs. There are at least 21 different S100 proteins, and the name is derived from the fact that the protein is 100% soluble in ammonium sulfate at neutral pH. Most S100 proteins are disulfide-linked homodimer, and is normally present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S100 proteins have been implicated in a variety of intracellular and extracellular functions. They are involved in regulation of protein phosphorylation, transcription factors, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response. S100A6 (S100 calcium-binding protein A6) is a member of the S100 family of proteins, and functions in prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of S100A6 have been implicated in melanoma.
<b>Keywords</b>	S100A1; S100 calcium binding protein A1; S100; S100A

## GENE INFORMATION

<b>Synonyms</b>	S100A1; S100 calcium binding protein A1; S100; S100A; S100-alpha; protein S100-A1; S100 alpha; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1; S100 protein, alpha polypeptide
<b>Entrez Gene ID</b>	<a href="#">20200</a>
<b>UniProt ID</b>	<a href="#">P14069</a>