

Product datasheet

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ARG57447 anti-S100A6 antibody

Package: 100 μl Store at: -20°C

Summary

Species

Product Description Mouse Monoclonal antibody recognizes \$100A6

Human

Tested Reactivity Hu
Tested Application WB

Specificity This antibody detects endogenous levels of S100A6 and does not cross-react with related proteins.

Host Mouse

Clonality Monoclonal

Isotype IgG1
Target Name S100A6

Immunogen Purified recombinant Human S100A6 protein expressed in E. coli.

Conjugation Un-conjugated

Alternate Names S100 calcium-binding protein A6; PRA; MLN 4; 5B10; Prolactin receptor-associated protein; CACY;

Growth factor-inducible protein 2A9; Protein S100-A6; Calcyclin; CABP; 2A9

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Concentration

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 0.03% Proclin300 and 50% Glycerol.

2.2 mg/ml

Preservative 0.03% Proclin300
Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol \$100A6

Gene Full Name S100 calcium binding protein A6

Background The protein encoded by this gene 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. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca2+-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene

have been implicated in melanoma. [provided by RefSeq, Jul 2008]

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

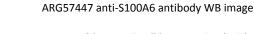
calcium ions. Calcium binding is cooperative. [UniProt]

Calculated Mw 10 kDa

PTM The N-terminus is blocked.

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

Images



Western blot: A549 cell lysate stained with ARG57447 anti-S100A6 antibody at 1:1000 dilution.

