

Product datasheet

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ARG59513 anti-S100A11 antibody

Package: 50 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes \$100A11

Tested Reactivity Hu

Tested Application ICC/IF, IP, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name S100A11

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-105 of Human S100A11 (NP_005611.1).

Conjugation Un-conjugated

Alternate Names S100 calcium-binding protein A11; MLN70; MLN 70; Protein S100-C; HEL-S-43; Metastatic lymph node

gene 70 protein; Protein S100-A11; S100C; Calgizzarin

Application Instructions

Predict Reactivity Note Mouse, Rat

Application table Application Dilution

ICC/IF 1:50 - 1:200

ΙP

WB 1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations

should be determined by the scientist.

Positive Control BxPC3 and 22RV1

Observed Size 12 kDa

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

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

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

Bioinformation

Gene Symbol \$100A11

Gene Full Name S100 calcium binding protein A11

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 motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis.

[provided by RefSeq, Jul 2008]

Function Facilitates the differentiation and the cornification of keratinocytes. [UniProt]

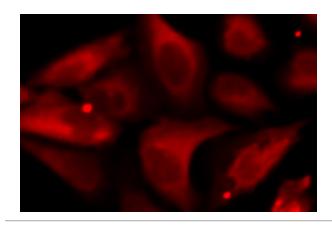
Calculated Mw 12 kDa

PTM Phosphorylation at Thr-10 by PRKCA significantly suppresses homodimerization and promotes

association with NCL/nucleolin which induces nuclear translocation. [UniProt]

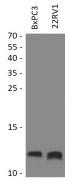
Cellular Localization Cytoplasm. Nucleus. [UniProt]

Images



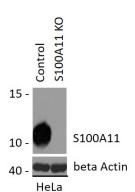
ARG59513 anti-S100A11 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG59513 anti-S100A11 antibody.



ARG59513 anti-S100A11 antibody WB image

Western blot: 25 μg of BxPC3 and 22RV1 cell lysates stained with ARG59513 anti-S100A11 antibody at 1:1000 dilution.



ARG59513 anti-S100A11 antibody WB image

Western blot: 25 μg of extracts from normal (control) and S100A11 knockout (KO) HeLa cells, using ARG59513 anti-S100A11 antibody at 1:1000 dilution.