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S100A11 Rabbit pAb

Catalog # AP96632

Product Information

Application	WB
Primary Accession	P31949
Other Accession	P31949
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11740
Physical State	Liquid
Immunogen	Recombinant human S100A11 protein
Epitope Specificity	1-105/105
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the S-100 family.Contains 2 EF-hand domains.
SUBUNIT	Homodimer; disulfide-linked.
Post-translational modifications	Phosphorylation at Thr-10 by PRKCA significantly suppresses homodimerization and promotes association with NCL/nucleolin which induces nuclear translocation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	6282
Other Names	HEL-S-43; MLN70; S100C; S10AB_HUMAN; S100A11; Calgizzarin; Metastatic lymph node gene 70 protein (MLN 70); Protein S100-C; S100 calcium-binding protein A11; S100 calcium binding protein A11; S100 calcium-binding protein A11 (calgizzarin)
Dilution	WB=1:500-2000,ICC/IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	S100A11
Synonyms	MLN70, S100C
Function	Facilitates the differentiation and the cornification of keratinocytes.
Cellular Location	Cytoplasm. Nucleus

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