

Rabbit Anti-S100A11 antibody

SL10310R

Product Name	S100A11
Chinese Name	S100 钙 Binding proteinA11 抗体
Alias	Calgizzarin; Metastatic lymph node gene 70 protein; MLN 70; MLN70; Protein S100 A11; Protein S100-A11; Protein S100-C; Protein S100A11; Protein S100C; S100 A11; S100 calcium binding protein A11; S100 calcium-binding protein A11; S100a11; S100C; S10AB_HUMAN.
Research Area	Tumour immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Rabbit,) IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	13kDa
Cellular localization	The nucleus
Form	Liquid
Concentration immunogen	1mg/ml KLH conjugated synthetic peptide derived from human S100A11: 12-105/105
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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]

Function:

Facilitates the differentiation and the cornification of keratinocytes.

Subunit:

Homodimer; disulfide-linked.

Subcellular Location:

Cytoplasm. Nucleus.

Post-translational modifications:

Phosphorylation at Thr-10 by PRKCA significantly suppresses homodimerization and promotes association with NCL/nucleolin which induces nuclear translocation.

Similarity:

Belongs to the S-100 family.
Contains 2 EF-hand domains.

SWISS:

P31949

Gene ID:

6282

Database links:

[Entrez Gene: 6282](#) Human

[Omim: 603114](#) Human

[SwissProt: P31949](#) Human

[Unigene: 417004](#) Human



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