



## Rabbit Anti-S100A11 antibody

SL10310R

<b>Product Name:</b>	S100A11
<b>Chinese Name:</b>	S100钙Binding proteinA11抗体
<b>Alias:</b>	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.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
<b>Applications:</b>	IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	13kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human S100A11:12-105/105
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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

[Omid: 603114](#) Human

[SwissProt: P31949](#) Human

[Unigene: 417004](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.