



## Rabbit Anti-S100 alpha 2 antibody

SL7873R

<b>Product Name:</b>	S100 alpha 2
<b>Chinese Name:</b>	S100A2抗体
<b>Alias:</b>	S100 calcium binding protein A2; CAN19; MGC111539; Protein S 100L; Protein S-100L; Protein S100 A2; Protein S100-A2; Protein S100L; S100 A2; S100 calcium-binding protein A2; S100A2; S100L; S10A2_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Goat,Cat,,lizard
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	11kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human S100 alpha 2:20-98/98
<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 S100family 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 have

atumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer.

**Function:**

May act as a modulator against excess calcium accumulation in normal human mammary epithelial cells. May also play a role in suppressing tumor cell growth.

**Subunit:**

Homodimer. Interacts with FKBP4.

**Tissue Specificity:**

A subset of epithelial cells including normal human mammary epithelial cells and keratinocytes.

**Similarity:**

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

**SWISS:**

P29034

**Gene ID:**

6273

**Database links:**

UniProtKB/Swiss-Prot: P29034.3

**Important Note:**

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