SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-S100 alpha 2/Cy3 Conjugated antibody

Catalog Number: SL7873R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-S100 alpha 2/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human S100 alpha 2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Goat,Cat,lizard)
Background:	background: 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 awide range of cells, and involved in the regulation of a number ofcellular processes such as cell cycle progression anddifferentiation. S100 genes include at least 13 members which arelocated as a cluster on chromosome 1q21. This protein may have atumor suppressor function. Chromosomal rearrangements and alteredexpression of this gene have been implicated in breast cancer. **Function:** May act as a modulator against excess calciumaccumulation in normal human mammary epithelial cells. May alsoplay a role in suppressing tumor cell growth. **Subunit:** Homodimer. Interacts with FKBP4. **Tissue Specificity:** A subset of epithelial cells including normalhuman mammary epithelial cells and keratinocytes. **Similarity:** Belongs to the S-100 family

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

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	Contains 2 EF-hand domains. **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.