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Rabbit Anti-SP140/Cy5 Conjugated antibody

SL17138R-Cy5

Product Name	Anti-SP140/Cy5
Chinese Name	Cy5 标记的核自身抗原 SP140 抗体
Alias	LY10_HUMAN; Lymphoid restricted homolog of Sp100; Lymphoid specific SP100 homolog; Lymphoid-restricted homolog of Sp100; LYSP100 A; LYSp100; LYSP100 B; LYSp100 protein; LYSP100-A; LYSP100-B; LYSP100A; LYSP100B; MGC126440; Nuclear antigen Sp140; Nuclear autoantigen Sp-140; Nuclear autoantigen Sp140; Nuclear body protein SP140; SP140; SP140 nuclear body protein; SP140 PEN; Speckled 140 kDa.
Research Area	Cell biology Chromatin and nuclear signals transcriptional regulatory factor lymphocyte Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Dog)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	20kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SP140
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
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.
Product Detail	**background:** SP140 is an 867 amino acid cytoplasmic and nuclear protein that is highly expressed in spleen and peripheral blood leukocytes. SP140 is a component of

the nuclear body that may be involved in trafficking between the nucleus and the cytoplasm. SP140 is induced by interferons and contains a bromo domain, a HSR domain, a PHD-type zinc finger and a SAND domain. It is thought that SP140 may participate in the pathogenesis of acute promyelocytic leukemia and viral infection. SP140 is expressed as three isoforms produced by alternative splicing and are designated isoform LYSp100-A, isoform LYSp100-B and isoform SP140.

Function:
Component of the nuclear body, also known as nuclear domain 10, PML oncogenic domain, and KR body. May be involved in the pathogenesis of acute promyelocytic leukemia and viral infection.

Subunit:
Interacts with PIN1.

Subcellular Location:
Nucleus. Cytoplasm. Localized to nuclear structures termed LANDS, for LYSp100-associated nuclear domains. LANDS are globular, electron-dense structures most often found in the nucleoplasm, but also found at the nuclear membrane and in the cytoplasm, suggesting that these structures may traffic between the cytoplasm and the nucleus.

Tissue Specificity:
High levels in spleen and peripheral blood leukocytes, much lower levels in thymus, prostate, ovary, small intestine, and colon. Very low levels in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas.

Similarity:
Contains 1 bromo domain.
Contains 1 HSR domain.
Contains 1 PHD-type zinc finger.
Contains 1 SAND domain.

Database links:

Entrez Gene: 11262 Human

Omim: 608602 Human

SwissProt: Q13342 Human

Unigene: 632549 Human

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