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[Marker Primary Antibody]

Rabbit Anti-SP140/Biotin Conjugated antibody

Catalog Number: SL17138R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-SP140/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human SP140
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:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Dog)
Background:	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

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