

产品名称: SP-100 Rabbit Polyclonal Antibody

产品货号: APRab18147

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Rat,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
分子量(Molecular Weight)	100kDa

抗原信息(Antigen Information)

基因名(Gene Name)	SP100
别名(Alternative Names)	SP100; Nuclear autoantigen Sp-100; Lysp100b; Nuclear dot-associated Sp100 protein; Speckled 100 kDa
基因 ID(Gene ID)	6672.0
SwissProt ID	P23497
免疫原(Immunogen)	Synthesized peptide derived from SP-100 . at AA range: 250-330

研究背景 (Background)

This gene encodes a subnuclear organelle and major component of the PML (promyelocytic leukemia)-SP100 nuclear bodies. PML and SP100 are covalently modified by the SUMO-1 modifier, which is considered crucial to nuclear body interactions. The

encoded protein binds heterochromatin proteins and is thought to play a role in tumorigenesis, immunity, and gene regulation. Alternatively spliced variants have been identified for this gene; one of which encodes a high-mobility group protein. [provided by RefSeq, Aug 2011],disease:This antigen is recognized by autoantibodies from patients with primary biliary cirrhosis (PBC),,domain:Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues -7, -6, +4 and +5 of the central Val which contact the chromoshadow domain,,domain:The HSR domain is important for the nuclear body targeting as well as for the dimerization,,function:May play a role in the control of gene expression,,induction:By interferon,,miscellaneous:The major isoform Sp100-A, has a calculated MW of 54 kDa, but exhibits aberrant electrophoretic mobilities, with an apparent MW OF 100 kDa,,PTM:Phosphorylated,,PTM:Sumoylated. Sumoylation depends on a functional nuclear localization signal but is not necessary for nuclear import or nuclear body targeting,,similarity:Contains 1 HSR domain,,similarity:Contains 1 SAND domain,,similarity:Contains 2 HMG box DNA-binding domains,,subcellular location:Found in the nuclear body, also known as nuclear domain 10 (ND10), PML oncogenic domain (POD), nuclear dots (ND) and KR body. The nuclear body is a nucleoplasmic structure of punctate shape, which varies in size and number. Induction by interferon and may be cell cycle stages modulate the subnuclear localization of the isoforms,,subunit:Homodimer. Splice variants heterodimerize. Interacts with members of the HP1 family of nonhistone chromosomal protein, such as CBX5 and CBX3 via the PxVxL motif. Interacts with Epstein-Barr virus EBNA-LP,,tissue specificity:Widely expressed. Sp100-B is expressed only in spleen, tonsil, thymus, mature B-cell line and some T-cell line, but not in brain, liver, muscle or non-lymphoid cell lines.,

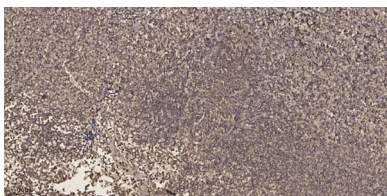
研究领域 (Research Area)

Immunology; Immune System Diseases; Autoimmune; Tags & Cell Markers; Subcellular Markers; Nucleus; Other Nuclear Bodies; Epigenetics and Nuclear Signaling; Chromatin Binding Proteins; DNA / RNA binding

注意事项 (Note)

For research use only.

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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