



Anti-SP100 (aa 250-350) polyclonal antibody (CPBT-47125RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human SP100.
Antigen Description	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.
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.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 250 - 350 of Human SP100. (Immunogen available as DAG-P1198)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Sequence Similarities	Contains 2 HMG box DNA-binding domains.Contains 1 HSR domain.Contains 1 SAND domain.
Cellular Localization	Nucleus # PML body. 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 b

Format	Liquid
Size	100 µg
Buffer	Preservative: 0.02% Sodium AzideConstituents: 1% BSA, PBS, pH 7.4
Preservative	0.02% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	SP100 SP100 nuclear antigen [Homo sapiens]
Official Symbol	SP100
Synonyms	SP100; SP100 nuclear antigen; nuclear antigen Sp100; nuclear autoantigen Sp-100; Lysp100b; Speckled 100 kDa; DKFZp686E07254; FLJ00340; FLJ34579; K297; MYL; Nuclear antigen Sp100; Nuclear autoantigen Sp 100; Nuclear autoantigen Sp-100; Nuclear autoantigen Sp100; Nuclear dot associated Sp100 protein; Nuclear dot-associated Sp100 protein; PP8675; Probable transcription factor PML; Promyelocytic leukemia inducer of; RING finger protein 71; RNF71; SP 100; SP100; SP100 HMG nuclear autoantigen; SP100 nuclear antigen; SP100_HUMAN; TRIM19; Tripartite motif protein TRIM19; speckled 100 kDa; SP100-HMG nuclear autoantigen; nuclear dot-associated Sp100 protein; lysp100b;
Entrez Gene ID	6672
Protein Refseq	NP_001073860
UniProt ID	P23497
Chromosome Location	2q37.1
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon gamma signaling, organism-specific biosystem;
Function	chromo shadow domain binding; identical protein binding; kinase binding; protein binding; protein domain specific binding; protein homodimerization activity; transcription coactivator activity; transcription corepressor activity; transcription factor bind