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Datasheet for ABIN7126965 **anti-SP100 antibody**

Overview

Quantity:	100 µg
Target:	SP100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SP100 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF), Coating (Coat), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human SP100 protein
Isotype:	IgG2b
Specificity:	The human SP100 gene encodes an autoantigen that co-localizes with PML and NDP52 in distinct nuclear domains, called nuclear dots (NDs) or ND10 nuclear bodies. Papova-, adeno-, and herpesviruses begin their transcription and DNA-replication at NDs, which play a role in autoimmunity, viral infections and in the etiology of acute promyelocytic leukemia. SP-100 is an interferon inducible protein that has two splice variants. One splice variant contains a highly conserved copy of the DNA-binding high mobility group 1 protein sequence, and thus represents a novel HMG-box protein. This alternatively spliced variant of SP-100 has a unique expression and localization pattern that is distinct from the SP-100 full-length protein. The SP100 protein is covalently modified by the small ubiquitin-related protein SUMO-1. SP-100 contains a functional nuclear localization signal and an ND-targeting region, which overlaps

Product Details

with the SP-100 homodimerization domain.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: SP100

Alternative Name: SP100 ([SP100 Products](#))

Background: Lysp100b, Nuclear antigen Sp100, Nuclear autoantigen Sp 100, Nuclear dot associated Sp100 protein, SP100, SP100 HMG nuclear autoantigen, SP100 nuclear antigen, Speckled 100 kDa,SP100
Cellular localisation: Nucleus. PML body.

Molecular Weight: 100.4kDa

Gene ID: 6672, 369056

UniProt: [P23497](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#)

Application Details

Application Notes: Known_Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 µg/mL), Immunofluorescence (0.5-2 µg/mL),Immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 mL of cell lysate)), Flow Cytometry (0.5-2 µg/million cells), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Positive_Control: HeLa or U87 cells.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Handling

Storage:	-20 °C,-80 °C
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Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
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Expiry Date:	24 months
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