



# Humanized Anti-Human SP100 Monoclonal antibody, clone C7D6 (CABT-L2418)

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

## PRODUCT INFORMATION

### Product Overview

It is a Mouse/Human chimeric monoclonal antibody produced in transgenic mice by replacing the mouse sequence of the heavy chain constant region (IgM, IgG or IgA loci) by the corresponding human sequence. After immunization with the antigen of interest, generated antibody clones are cultivated by standard hybridoma techniques. They consist of the human constant region of the heavy chain, mouse variable region of the heavy chain and mouse light chain. The human constant region of the heavy chain can be directly recognized by the anti-human conjugate, which is used in numerous in vitro diagnostic assays.

<b>Specificity</b>	This antibody react with human SP100
<b>Target</b>	Human SP100
<b>Isotype</b>	IgG
<b>Source/Host</b>	Humainzed
<b>Species Reactivity</b>	Human
<b>Clone</b>	C7D6
<b>Purification</b>	Purified.Purity>95%
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IEP, WB
<b>Format</b>	Liquid
<b>Buffer</b>	Purified format supplied in 20mM HEPES, pH7.4, 250mM NaCl, 10% Glycerol Supernatant supplied in IMDM, 10% FCS, 1% protein-free stabilizer

<b>Preservative</b>	None
<b>Storage</b>	at -70°C or below. Repeated freeze/thaw cycles should be avoided.

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	SP100;SP100 nuclear antigen;lysp100b;nuclear autoantigen Sp-100;speckled 100 kDa;SP100-HMG nuclear autoantigen;nuclear dot-associated Sp100 protein;

## GENE INFORMATION

<b>Synonyms</b>	SP100; SP100 nuclear antigen; lyasp100b; nuclear autoantigen Sp-100; speckled 100 kDa; SP100-HMG nuclear autoantigen; nuclear dot-associated Sp100 protein;
<b>UniProt ID</b>	<a href="#">P23497</a>