

## Immunotag™ SP100 Antibody

Antibody Specification	
Catalog No.	ITA5125
Product Description	Immunotag™ SP100 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SP100
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	SP100 Antibody detects endogenous levels of total SP100
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SP100
Accession No.	P23497
Alternate Names	DKFZp686E07254; FLJ00340; FLJ34579; Lysp100b; Nuclear antigen Sp100; Nuclear autoantigen Sp 100; Nuclear autoantigen Sp-100; Nuclear autoantigen Sp100; Nuclear dot associated Sp100 protein; Nuclear dot-associated Sp100 protein; SP 100; SP100; SP100 HMG nuclear autoantigen; SP100 nuclear antigen; SP100_HUMAN; Speckled 100 kDa;

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Description	<p>Together with PML, this tumor suppressor is a major constituent of the PML bodies, a subnuclear organelle involved in a large number of physiological processes including cell growth, differentiation and apoptosis. Functions as a transcriptional coactivator of ETS1 and ETS2 according to PubMed:11909962. Under certain conditions, it may also act as a corepressor of ETS1 preventing its binding to DNA according to PubMed:15247905.</p> <p>Through the regulation of ETS1 it may play a role in angiogenesis, controlling endothelial cell motility and invasion. Through interaction with the MRN complex it may be involved in the regulation of telomeres lengthening. May also regulate TP53-mediated transcription and through CASP8AP2, regulate FAS-mediated apoptosis. Also plays a role in infection by viruses, including human cytomegalovirus and Epstein-Barr virus, through mechanisms that may involve chromatin and/or transcriptional regulation.</p>
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	0 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.