

SP100 Antibody

Catalog No: #34867

Package Size: #34867-1 50ul #34867-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

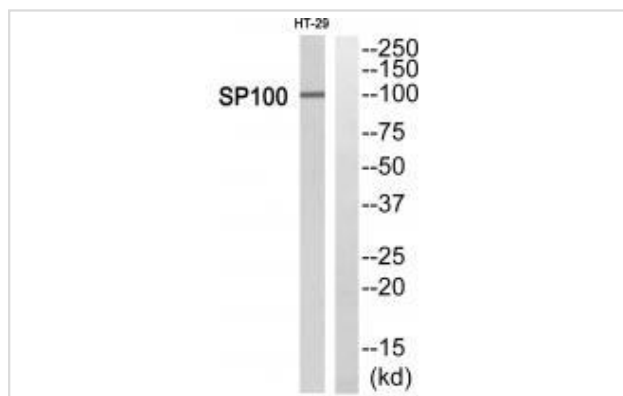
Description

Product Name	SP100 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SP100protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human SP100.
Target Name	SP100
Other Names	DKFZp686E07254; FLJ00340; FLJ34579; Lysp100b; nuclear antigen Sp100
Accession No.	Swiss-Prot: P23497NCBI Gene ID: 6672
Uniprot	P23497
GeneID	6672;
SDS-PAGE MW	100kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from HT29 cells, using SP100 antibody #34867.

Background

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 . Under certain conditions, it may also act as a corepressor of ETS1 preventing its binding to DNA according to . 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.

Dent A.L., Blood 88:1423-1426(1996).

Seeler J.-S., Proc. Natl. Acad. Sci. U.S.A. 95:7316-7321(1998).

Szostecki C., J. Immunol. 145:4338-4347(1990).

Note: This product is for in vitro research use only