

SP100 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SP100.

Catalog # AT4006a

Specification

SP100 Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	P23497
Other Accession	NM_003113
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	100417

SP100 Antibody (monoclonal) (M02) - Additional Information

Gene ID 6672

Other Names

Nuclear autoantigen Sp-100, Nuclear dot-associated Sp100 protein, Speckled 100 kDa, SP100

Target/Specificity

SP100 (NP_003104, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

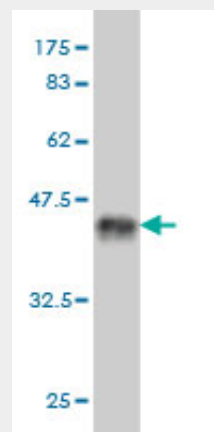
Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

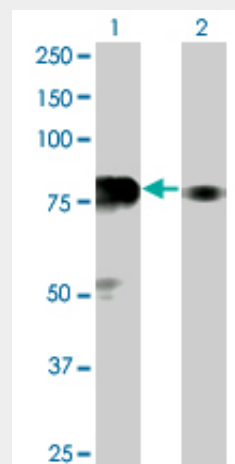
Precautions

SP100 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

SP100 Antibody (monoclonal) (M02) - Protocols



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



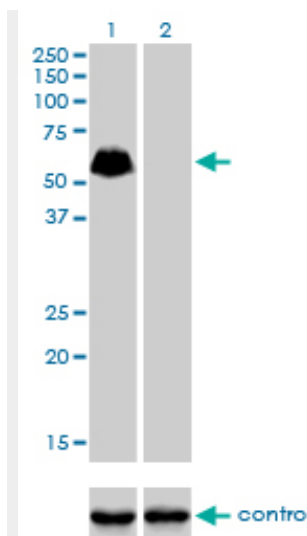
Western Blot analysis of SP100 expression in transfected 293T cell line by SP100 monoclonal antibody (M02), clone 1G6.

Lane 1: SP100 transfected lysate(100.417 KDa).

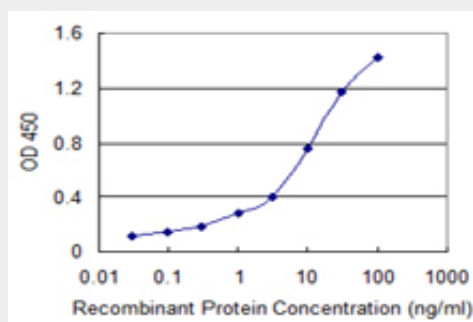
Lane 2: Non-transfected lysate.

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



Western blot analysis of SP100 over-expressed 293 cell line, cotransfected with SP100 Validated Chimera RNAi (Cat # AT4006a)



Detection limit for recombinant GST tagged SP100 is 0.03 ng/ml as a capture antibody.

SP100 Antibody (monoclonal) (M02) - References

An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Three-dimensional organization of promyelocytic leukemia nuclear bodies. Lang M, et al. J Cell Sci, 2010 Feb 1. PMID 20130140. Common genetic variation and performance on standardized cognitive tests. Cirulli ET, et al. Eur J Hum Genet, 2010 Jul. PMID 20125193. Differential functions of interferon-upregulated Sp100 isoforms: herpes simplex virus type 1 promoter-based

immediate-early gene suppression and PML
protection from ICP0-mediated degradation.
Negorev DG, et al. J Virol, 2009 May. PMID
19279115.