Product name:	SPOP Rabbit Polyclonal Antibody
Cat number:	ABN18207
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from the Internal region of human SPOP. AA range:41-90
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight:	42kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

This gene encodes a protein that may modulate the transcriptional repression activities of death-associated protein 6 (DAXX), which interacts with histone deacetylase, core histones, and other histone-associated proteins. In mouse, the encoded protein binds to the putative leucine zipper domain of macroH2A1.2, a variant H2A histone that is enriched on inactivated X chromosomes. The BTB/POZ domain of this protein has been shown in other proteins to mediate transcriptional repression and to interact with components of histone deacetylase co-repressor complexes. Alternative splicing of this gene results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008],domain:The MATH domain interacts with H2AFY and BMI1.,function:Inhibits IPF1/PDX1 transactivation of established target promoters, such as insulin, may be by recruiting a repressor complex (By similarity). In complex with CUL3, involved in ubiquitination of BMI1, H2AFY and DAXX, and probably also in ubiquitination and proteasomal degradation of Gli2 or Gli3.,miscellaneous:Antigen recognized by serum from scleroderma patient.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the Tdpoz family.,similarity:Contains 1 BTB (POZ) domain.,similarity:Contains 1 MATH domain.,subunit:Homodimer. Part of a complex consisting of BMI1, CUL3 and SPOP. Part of a complex consisting of H2AFY, CUL3 and SPOP. Part of a complex consisting of DAXX, CUL3 and SPOP. Interacts with H2AFY, IPF1/PDX1, BMI1 and DAXX. Interacts with CUL3.,tissue specificity:Widely expressed.,