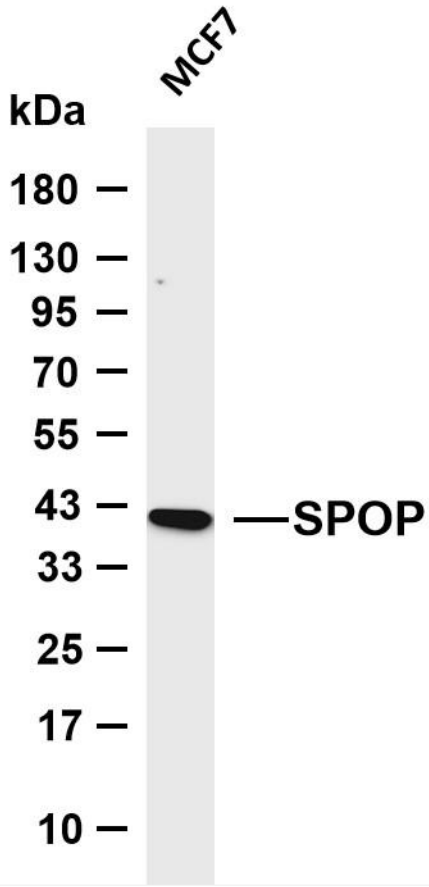
SPOP Rabbit mAb

Catalog No	YP-rAb-17247
Isotype	IgG
Reactivity	Human
Applications	WB,IF,ELISA
Gene Name	SPOP
Protein Name	SPOP
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	Speckle-type POZ protein ; HIB homolog 1 ; Roadkill homolog 1 ;
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Nucleus . Nucleus speckle .
Tissue Specificity	Widely expressed.
Function	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.,

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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SPOP antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: MCF7 Predicted band size: 42kDa Observed band size: 42kDa