



# SPOP Monoclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYmab-10613  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Mouse;Rat  |
| <b>Applications</b>       | WB   |
| <b>Gene Name</b>          | SPOP   |
| <b>Protein Name</b>       | SPOP   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from the Internal region of human SPOP. AA range:41-90  |
| <b>Specificity</b>        | SPOP Monoclonal Antibody detects endogenous levels of SPOP   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Monoclonal, Mouse,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | WB 1:500-2000  |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | Speckle-type POZ protein (HIB homolog 1) (Roadkill homolog 1)  |
| <b>Observed Band</b>      | 42kD   |
| <b>Cell Pathway</b>       | Nucleus . Nucleus speckle .  |
| <b>Tissue Specificity</b> | Widely expressed.  |
| <b>Function</b>           | 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 |

**Nanjing BYabscience technology Co.,Ltd**



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],

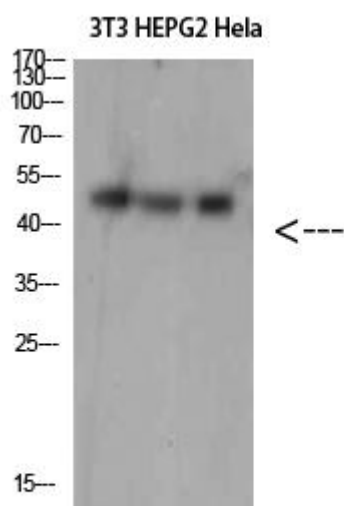
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using SPOP Monoclonal Antibody