

Product datasheet for **TA342120**

SPOP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SPOP antibody: synthetic peptide directed towards the C terminal of human SPOP. Synthetic peptide located within the following region: YHASDVLETSGWKSMVSHPHLVAEAYRSLASACPFPGPPRKRKQKQS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	speckle type BTB/POZ protein
Database Link:	NP_001007227 Entrez Gene 8405 Human O43791



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Background:

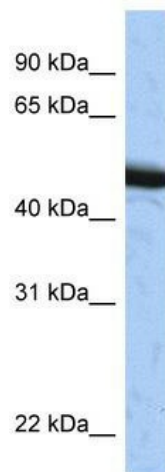
SPOP may modulate the transcriptional repression activities of death-associated protein 6 (DAXX), which interacts with histone deacetylase, core histones, and other histone-associated proteins. In mouse, the protein binds to the putative leucine zipper domain of macroH2A1.2, a variant H2A histone that 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. 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.

Synonyms:

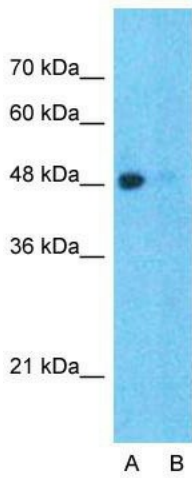
BTBD32; TEF2

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

Product images:

WB Suggested Anti-SPOP Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysate. SPOP is supported by BioGPS gene expression data to be expressed in HepG2.



Anti-SPOP Western Blot & Peptide Block Validation

Lysate: HeLa Cell

Lane A: Primary Antibody
 Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 1.0µg/ml
 Peptide Concentration: 5.0µg/ml
 Lysate Quantity: 25µg/lane
 Gel Concentration: 12%

Host: Rabbit; Target Name: SPOP; Sample Tissue: HeLa; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide; Primary Antibody Concentration: 1 ug/ml; Peptide Concentration: 5 ug/ml; Lysate Quantity: 25 ug/lane/lane; Gel Concentration: 0.12