Rabbit SPOP Polyclonal Antibody | anti-SPOP antibody

SPOP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322932	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

SPOP; Polyclonal Antibody; SPOP Antibody; BTBD32; HIB homolog 1; Roadkill homolog 1; Speckle type POZ protein; Speckle-type POZ protein; SPOP_HUMAN; TEF 2; TEF2; anti-SPOP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SPOP antibody detects endogenous levels of SPOP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	374
Applicable Applications for anti-SPOP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SPOP.
Subcellular Location	Nucleus.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	**Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus**
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of extracts of HeLa cells, using SPOP antibody.

IHC (Immunohistochemistry)
AAA322932 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SPOP antibody	Function: Component of a cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex that mediates the ubiquitination of target proteins, leading most often to their proteasomal degradation. In complex with CUL3, involved in ubiquitination and proteasomal degradation of BRMS1, DAXX, PDX1/IPF1, GLI2 and GLI3. In complex with CUL3, involved in ubiquitination of H2AFY and BMI1; this does not lead to their proteasomal degradation. Inhibits transcriptional activation of PDX1/IPF1 targets, such as insulin, by promoting PDX1/IPF1 degradation. The cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex containing homodimeric SPOP has higher ubiquitin ligase activity than the complex that contains the heterodimer formed by SPOP and SPOPL. Subunit Structure: Interacts with GLI2 and GLI3 (By similarity). Homodimer and homooligomer. Heterodimer with SPOPL. Each dimer interacts with two CUL3 molecules. Part of cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complexes that contain CUL3 and homodimeric SPOP, or the heterodimer formed by SPOP and SPOPL, plus a target protein, such as H2AFY, PDX1/IPF1, BMI1, BRMS1 and DAXX. Similarity: The BTB (POZ) domain mediates dimerization and interaction with CUL3.The MATH domain mediates interaction with protein-ubiquitin ligase substrates, such as H2AFY and BMI1. Belongs to the Tdpoz family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56117836
NCBI GeneID	8405
NCBI Accession #	NP_001007227.1
NCBI GenBank Nucleotide #	NM_001007226.1
UniProt Accession #	O43791; Q53HJ1; B2R6S3; D3DTW7
Molecular Weight	Observed: 42 kDa Predicted: 43 kDa
NCBI Official Full Name	speckle-type POZ protein
NCBI Official Synonym Full Names	speckle type BTB/POZ protein
NCBI Official Symbol	SPOP
NCBI Official Synonym Symbols	TEF2; BTBD32
NCBI Protein Information	speckle-type POZ protein
UniProt Protein Name	Speckle-type POZ protein
UniProt Gene Name	**SPOP**

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/spop-antibody-immunohistochemistry-western-blot-elisa/322932