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SPOP Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb18701a

Specification

SPOP Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q6ZWS8
Other Accession	Q7T330, Q9VFP2, Q7ZX06, Q0IHH9, Q0VCW1, O43791
Reactivity	**Mouse, Zebrafish**
Predicted	**Drosophila, Xenopus, Bovine, Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

SPOP Antibody (N-term) - Additional Information

Gene ID 20747

Other Names
Speckle-type POZ protein, HIB homolog 1, SPOP1, spop

Target/Specificity
This SPOP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 74-107 amino acids from the N-terminal region of mouse SPOP.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SPOP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SPOP Antibody (N-term) - Protein Information

Name Spop {ECO:0000312|EMBL:AAT08952.1}

Synonyms Pcif1

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. 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 (By similarity). 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 MACROH2A1 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. Involved in the regulation of bromodomain and extra-terminal motif (BET) proteins BRD2, BRD3, BRD4 stability (By similarity). Plays an essential role for proper translation, but not for their degradation, of critical DNA replication licensing factors CDT1 and CDC6, thereby participating in DNA synthesis and cell proliferation. Regulates interferon regulatory factor 1/IRF1 proteasomal turnover by targeting S/T-rich degrons in IRF1 (By similarity). Involved in ubiquitination of BRDT and promotes its degradation, thereby regulates histone removal in early condensing spermatids prior to histone-to-protamine exchange (PubMed:32726616).

Cellular Location
Nucleus. Nucleus speckle

Tissue Location
Widely expressed, mainly in pancreas and in particular in adult pancreatic insulin-producing beta cells and in a subset of exocrine acinar and duct cells

SPOP Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPOP Antibody (N-term) - Images

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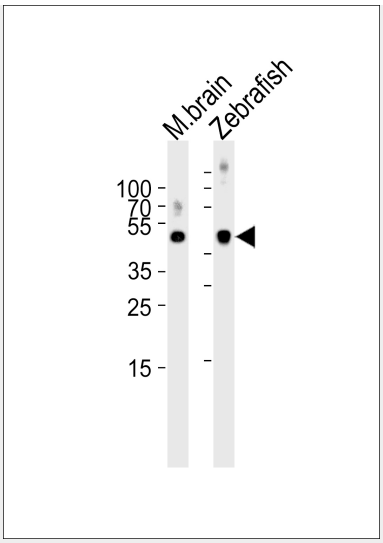

Western blot analysis of lysates from mouse brain and Zebrafish tissue lysate (from left to right), using SPOP Antibody (N-term) (Cat. #Azb18701a). Azb18701a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

SPOP Antibody (N-term) - Background

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 (By similarity).

SPOP Antibody (N-term) - References

Zhang Q.,et al.Dev. Cell 10:719-729(2006).