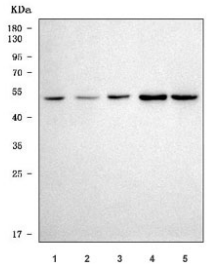
SPOP Antibody / Speckle-type POZ protein (RQ7666)

Catalog No.	Formulation	Size
RQ7666	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43791
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml
Limitations	This SPOP antibody is available for research use only.



Western blot testing of human 1) PC-3, 2) HeLa, 3) HepG2, 4) MOLT4 and 5) K562 cell lysate with SPOP antibody. Predicted molecular weight ~42 kDa.

Description

Speckle-type POZ protein is a protein that in humans is encoded by the SPOP gene. 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.

Application Notes

Optimal dilution of the SPOP antibody should be determined by the researcher.

Immunogen

Amino acids LHSADQLKTQAVDFINYHASDVLE from the human protein were used as the immunogen for the SPOP antibody.

Storage

After reconstitution, the SPOP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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