

Product Name: Siah-2 Rabbit Polyclonal Antibody
Catalog #: APRab17884



Summary

Production Name	Siah-2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SIAH2
Alternative Names	SIAH2; E3 ubiquitin-protein ligase SIAH2; Seven in absentia homolog 2; Siah-2; hSiah2
Gene ID	6478.0
SwissProt ID	O43255.The antiserum was produced against synthesized peptide derived from human SIAH2. AA range:241-290

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000
Molecular Weight	38kD

Background

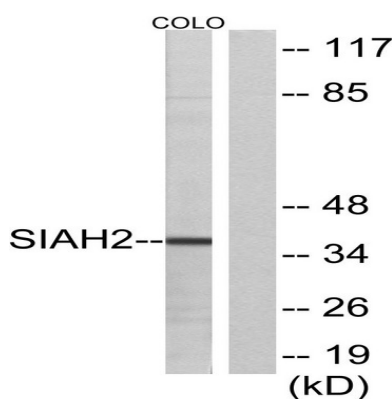
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This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. The protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in regulating cellular response to hypoxia. [provided by RefSeq, Jul 2008],domain:The RING-type zinc finger domain is essential for ubiquitin ligase activity.,domain:The SBD domain (substrate-binding domain) mediates the homodimerization and the interaction with substrate proteins. It is related to the TRAF family.,function:E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Mediates E3 ubiquitin ligase activity either through direct binding to substrates or by functioning as the essential RING domain subunit of larger E3 complexes. Triggers the ubiquitin-mediated degradation of many substrates, including proteins involved in transcription regulation (POU2AF1, PML, NCOR1), a cell surface receptor (DCC), an antiapoptotic protein (BAG1), and a protein involved in synaptic vesicle function in neurons (SYP). It is thereby involved in apoptosis, tumor suppression, cell cycle, transcription and signaling processes. Has some overlapping function with SIAH1. Triggers the ubiquitin-mediated degradation of TRAF2, whereas SIAH1 can not.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the SINA (Seven in absentia) family.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SIAH-type zinc finger.,subcellular location:Predominantly cytoplasmic (Probable). Partially nuclear.,subunit:Homodimer. Interacts with UBE2E2. Interacts with PEG3 (By similarity). Interacts with VAV1, without mediating its ubiquitin-mediated degradation. Interacts with CACYBP/SIP. Probable component of some large E3 complex possibly composed of UBE2D1, SIAH2, CACYBP/SIP, SKP1A, APC and TBL1X. Interacts with PEG10, which may inhibit its activity.,tissue specificity:Widely expressed at low level,

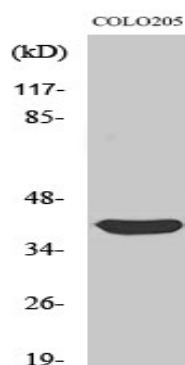
Research Area

Image Data



Western blot analysis of lysates from COLO cells, using SIAH2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Siah-2 Polyclonal Antibody

Note

For research use only.