



Rabbit Anti-SIAH2 antibody

SL3634R

Product Name:	SIAH2
Chinese Name:	Ubiquitin连接酶Siah2
Alias:	Seven in Absentia Homolog 2; Ubiquitin Ligase Siah2; SIAH2_HUMAN; E3 ubiquitin-protein ligase SIAH2; Seven in absentia homolog 2; Siah-2; hSiah2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SIAH2:201-300/324
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]. 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). Mediates ubiquitination and proteasomal degradation of DYRK2 in response to hypoxia. 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. Promotes monoubiquitination of SNCA.

Subunit:

Homodimer. Interacts with UBE2E2. Interacts with PEG3. 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, SKP1, APC and TBL1X. Interacts with PEG10, which may inhibit its activity. Interacts with EGLN2 and SNCAIP. Interacts with DYRK2.

Subcellular Location:

Cytoplasm. Nucleus.

Tissue Specificity:

Widely expressed at low level.

Post-translational modifications:

Phosphorylated at Ser-28 by MAPK14, which mediates the degradation by the proteasome of EGLN3. Phosphorylated at Ser-28 by DYRK2; this increases the ubiquitin ligase activity and promotes degradation of EGLN3.

Similarity:

Belongs to the SINA (Seven in absentia) family.

Contains 1 RING-type zinc finger.

Contains 1 SIAH-type zinc finger.

SWISS:

O43255

Gene ID:

6478

Database links:

[Entrez Gene: 6478](#)Human

[Omid: 602213](#)Human
[SwissProt: O43255](#)Human
[Unigene: 477959](#)Human
[Unigene: 692394](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

K562(Human) Cell Lysate at 30 ug

Primary: Anti- SIAH2 (SL3634R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 35 kD

Observed band size: 36 kD

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