

Rabbit anti-Human, Mouse SIAH2 Polyclonal Antibody | anti-SIAH2 antibody

SIAH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327320	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SIAH2; Polyclonal Antibody; SIAH2 Antibody; E3 ubiquitin protein ligase SIAH2; E3 ubiquitin-protein ligase SIAH1; hSIAH1; hSiah2; HUMSIAH; Seven in absentia homolog 1 (Drosophila); Seven in absentia homolog 1; Seven in Absentia Homolog 2; SIAH 1; Siah 1a; Siah 2; Siah-1; Siah-1a; Siah1; SIAH1_HUMAN; Ubiquitin ligase SIAH1; Ubiquitin Ligase Siah2; anti-SIAH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SIAH2 antibody detects endogenous levels of total SIAH2
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	324
Applicable Applications for anti-SIAH2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SIAH2, corresponding to a region within C-terminus amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327320 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of SIAH2 using NIH-3T3 whole lysates.



IHC (Immunohistochemistry)

AAA327320 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-SIAH2 antibody	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 (GPS2, 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 does not. Promotes monoubiquitination of SNCA. Subunit Structure: 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, SKP1, APC and TBL1X. Interacts with PEG10, which may inhibit its activity. Interacts with EGLN2 and SNCAIP. Interacts with DYRK2. Post-translational Modifications: Phosphorylated at Ser-28 by MAPK14, which mediates the degradation by the proteasome of EGLN3 (By similarity). Phosphorylated at Ser-28 by DYRK2; this increases the ubiquitin ligase activity and promotes degradation of EGLN3. Similarity: The RING-type zinc finger domain is essential for ubiquitin ligase activity. The SBD domain (substrate-binding domain) mediates the homodimerization and the interaction with substrate proteins. It is related to the TRAF family. Belongs to the SINA (Seven in absentia) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31982899
NCBI GeneID	6478
NCBI Accession #	NP_005058.3
NCBI GenBank Nucleotide #	NM_005067.6
UniProt Accession #	O43255; O43270
Molecular Weight	35 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase SIAH2
NCBI Official Synonym Full Names	siah E3 ubiquitin protein ligase 2
NCBI Official Symbol	SIAH2
NCBI Official Synonym Symbols	hSiah2
NCBI Protein Information	E3 ubiquitin-protein ligase SIAH2
UniProt Protein Name	E3 ubiquitin-protein ligase SIAH2
UniProt Gene Name	SIAH2
UniProt Synonym Gene Names	Siah-2; hSiah2

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/siah2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327320>