

SIAH1 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI10114

Product Information

Application	WB, IHC
Primary Accession	<u>Q8IUQ4</u>
Other Accession	<u>Q8IUQ4-2, NP_001006611, NM_001006610</u>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Zebrafish, Chicken, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31123

Additional Information

Gene ID	6477
Alias Symbol Other Names	SIAH1A E3 ubiquitin-protein ligase SIAH1, 632-, Seven in absentia homolog 1, Siah-1, Siah-1a, SIAH1, HUMSIAH
Target/Specificity	SIAH1 is 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 the development of certain forms of Parkinson's disease, the regulation of the cellular response to hypoxia and induction of apoptosis. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-SIAH1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	SIAH1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SIAH1
Synonyms	HUMSIAH

	E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:14506261, PubMed:14645235, PubMed:19224863, PubMed:20508617, PubMed:22483617, PubMed:28546513, PubMed:29508595). 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 (PubMed:14506261, PubMed:14645235, PubMed:19224863, PubMed:15064394, PubMed:16085552, PubMed:19224863, PubMed:15064394, PubMed:16085552, PubMed:19224863, PubMed:15064394, PubMed:16085552, PubMed:19224863, PubMed:15064394, PubMed:16085552, PubMed:19224863, PubMed:15064394, PubMed:1608552, PubMed:19224863, PubMed:15064394, PubMed:16085552, PubMed:19224863, PubMed:15064394, PubMed:16085552, PubMed:19224863, PubMed:10508617, PubMed:22483617, PubMed:3334332, PubMed:9858595). Triggers the ubiquitin ligase activity either through direct binding to substrates or by functioning as the essential RING domain subunit of larger E3 complexes (PubMed:14506261, PubMed:14645235, PubMed:9858595). Triggers the ubiquitin-mediated degradation of many substrates, including proteins involved in transcription regulation (ELL2, MYB, POU2AF1, PML and RBBP8), a cell surface receptor (DCC), the cell-surface receptor-type tyrosine kinase FLT3, the cytoplasmic signal transduction molecules (KLF10/TIEG1 and NUMB), an antiapoptotic protein (BAG1), a microtubule motor protein (KIF22), a protein involved in synaptic vesicle function in neurons (SYP), a structural protein (CTNNB1) and SNCAIP (PubMed:10747903, PubMed:1146551, PubMed:11483518, PubMed:11352454, PubMed:12072443). Confers constitutive instability to HIPK2 through proteasomal degradation (PubMed:11836714, PubMed:33591310). It is thereby involved in many cellular processes such as apoptosis, tumor suppression, cell cycle, axon guidance, transcription regulation, spermatogenesis and TNF-lapha signaling (PubMed:12603934, PubMed:14665252, PubMed:120524332, PubMed:20508617, PubMed:132634332,
	proteasomal degradation of AXIN1 (PubMed: <u>28546513</u> , PubMed: <u>32430360</u>).
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Partially nuclear
Tissue Location	Widely expressed at a low level. Down-regulated in advanced hepatocellular carcinomas.

Background

This is a rabbit polyclonal antibody against SIAH1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images



SIAH1 antibody (AI10114) in Human Heart cells using Immunohistochemistry Rabbit Anti-SIAH1 antibody Catalog Number: AI10114 Paraffin Embedded Tissue: Human Heart cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 μg/ml Magnification: 400X



See Immunoblot 2 Data and Customer Feedback for more information



SIAH1 antibody - N-terminal region (AI10114) in Human HEK293T cells using Western Blot Application: Western blotting Species+tissue/cell type: Human embryonic kidney 293T How many ug D€ [™]s of tissue/cell lysate run on the gel:1: 50 ug human HEK-293T cell lysate

Primary Antibody Dilution: 1:1000 Secondary Antibody: Anti-rabbit-IgG Secondary Antibody Dilution: 1:5000 SIAH1 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells

SIAH1 antibody - N-terminal region (AI10114) in Human Jurkat cells using Western Blot WB Suggested Anti-SIAH1 Antibody Titration: 1.25 μg/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate

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