

产品名称: Siah-1/2 Rabbit Polyclonal Antibody
产品货号: AP Rab17883



产品概述 (Summary)

产品名称 (Production Name)	Siah-1/2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SIAH1/SIAH2 SIAH1; HUMSIAH; E3 ubiquitin-protein ligase SIAH1; Seven in absentia homolog 1; Siah-1; Siah-1a; SIAH2; E3 ubiquitin-protein ligase SIAH2; Seven in absentia homolog 2; Siah-2; hSiah2
别名 (Alternative Names)	
基因 ID (Gene ID)	6477/6478
蛋白 ID (SwissProt ID)	Q8IUQ4/O43255.The antiserum was produced against synthesized peptide derived from human SIAH1. AA range:181-230

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	34kDa

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研究背景 (Background)

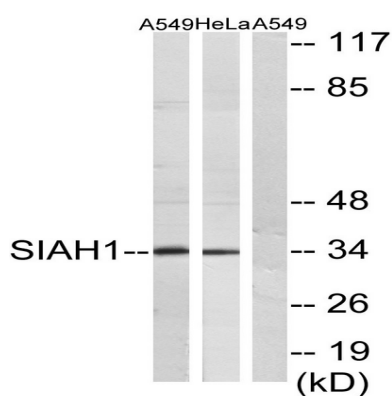
This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. The protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in the development of certain 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. [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 (MYB, POU2AF1, PML and RBBP8), a cell surface receptor (DCC), cytoplasmic signal transduction molecules (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. It is thereby involved in many cellular processes such as apoptosis, tumor suppression, cell cycle, axon guidance, transcription regulation, spermatogenesis and TNF-alpha signaling. Has some overlapping function with SIAH2. Induces apoptosis in cooperation with PEG3., induction: May be induced by TP53/p53, suggesting that it may be required to modulate TP53 response. The relevance of such activity in vivo is however unclear and may not exist., 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. Partially nuclear., subunit: Homodimer. Interacts with group 1 glutamate receptors GRM1 and GRM5. Interacts with DAB1, which may inhibit its activity. Interacts with UBE2E2. Interacts with PEG3 (By similarity). Component of some large E3 complex composed of UBE2D1, SIAH1, CACYBP/SIP, SKP1, APC and TBL1X. Interacts with UBE2I. Interacts with alpha-tubulin. Interacts with PEG10, which may inhibit its activity. Interacts with KHDRBS3., tissue specificity: Widely expressed at low level. Down-regulated in advanced hepatocellular carcinomas.,

研究领域 (Research Area)

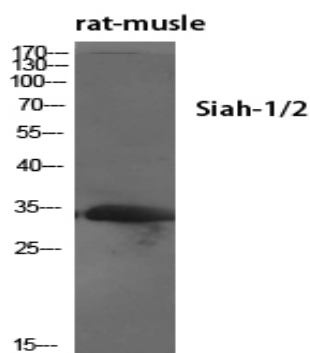
p53; Ubiquitin mediated proteolysis; WNT; WNT-T CELL

图片 (Image Data)

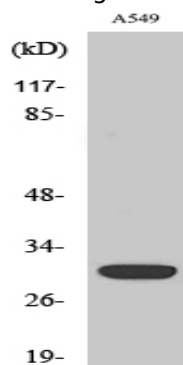
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Western blot analysis of lysates from A549 and HeLa cells, using SIAH1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Siah-1/2 Polyclonal Antibody diluted at 1: 500



Western Blot analysis of HeLa cells using Siah-1/2 Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .