

产品名称: Siah-2 Rabbit Polyclonal Antibody
产品货号: APRab17884



产品概述 (Summary)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	38kDa

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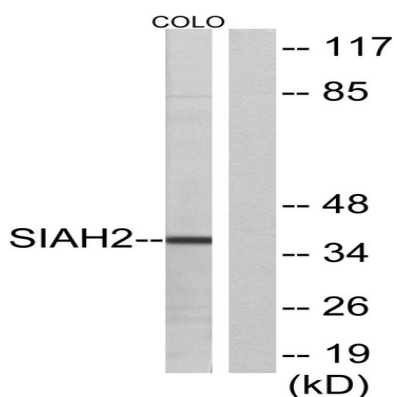
研究背景 (Background)

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 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.,

研究领域 (Research Area)

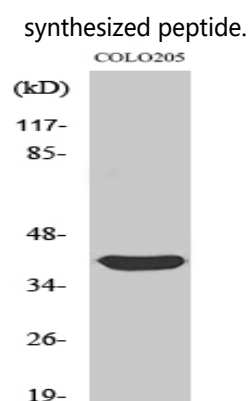
Epigenetics and Nuclear Signaling; Chromatin Modifying Enzymes; Ubiquitylation; Stem Cells; Signaling Pathways; Wnt; Cytoplasmic; Cardiovascular/Immune; Hypoxia; Prolyl hydroxylase; Cell cycle; Ubiquitin ligases

图片 (Image Data)



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

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

注意事项 (Note)

For research use only .