

Rabbit SIAH2 Polyclonal Antibody | anti-SIAH2 antibody

SIAH2 antibody - N-terminal region

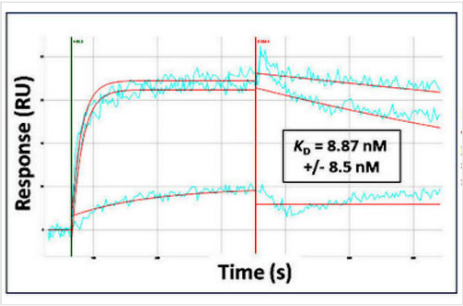
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23577	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Pig	Western Blot

PRODUCT SYNONYMS

SIAH2; Polyclonal Antibody; SIAH2 antibody - N-terminal region; anti-SIAH2 antibody

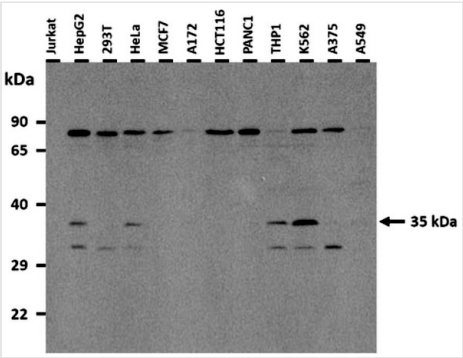
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Pig
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: SR PSSTGPSANK PCSKQPPQP QHTPSAAPP AAATISAAGP GSSAVPAA
Sequence Length	324
Applicable Applications for anti-SIAH2 antibody	WB (Western Blot)
Protein Size (# AA)	324 amino acids
Homology	Cow: 93%; Dog: 92%; Human: 100%; Mouse: 80%; Pig: 93%; Rat: 80%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SIAH2
Protein Interactions	EGLN3; XAF1; HIPK2; UBE2D1; UBE2L6; SIAH2; UBE2D3; UBC; PPP1R13B; TP53BP2; NFE2L2; USP19; AR; UBE2I; STAT3; MYD88; EEF1D; CCBE1; SETD2; HIPK3; TNK2; KAT5; KAT2B; UBE2D2; TPX2; PML; ATN1; PSMD4; PPP1R12A; EGLN2; SH3RF1; EGLN1; DYRK2; PPP1CC; AFF1; DCC; CEB
Enhanced Validation	WB, Y, SPR, Y, YCHAROS
Blocking Peptide	For anti-SIAH2 (AAA23577) antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



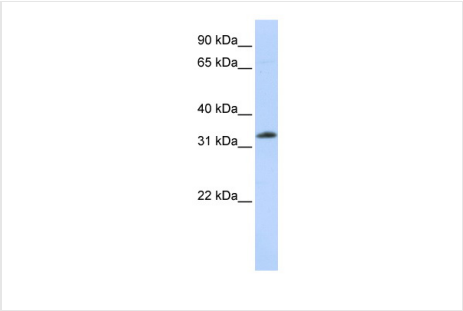
Application Data

Surface Plasmon Resonance Kinetic Characterization of Polyclonal Antibody Affinity. Purified polyclonal antibodies were immobilized on a Protein A/G coated Carterra LSA sensor chip at concentrations of 0.5, 5, and 50 $\mu\text{g/mL}$. Antibodies on the surface were exposed to interaction with peptides sequentially via microfluidic controlled flow at 333nM peptide concentration for kinetic characterization of the binders for affinity and specificity, followed by curve fitting using the Kinetics software. Kd determinations for either two or three concentrations were averaged and results and standard deviation are shown.



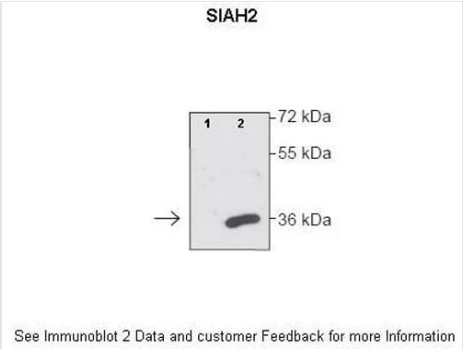
WB (Western Blot)

25 μg of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 3 $\mu\text{g/mL}$ of the antibody was used in this experiment.



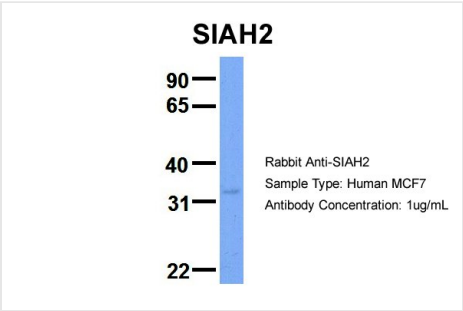
WB (Western Blot)

WB Suggested Anti-SIAH2 Antibody Titration: 0.2-1 $\mu\text{g/mL}$ ELISA Titer: 1:1562500Positive Control: Hela cell lysate



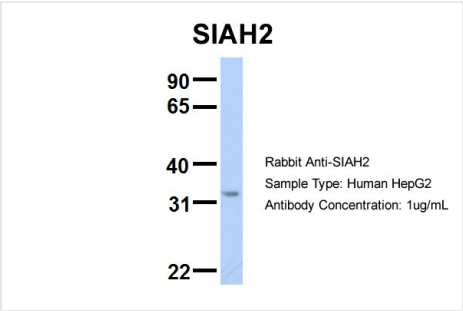
WB (Western Blot)

Lanes:1: 50 μg HEK293T lysate, 2: 50 μg A549 lysatePrimary Antibody Dilution:1:1000Secondary Antibody:Anti-rabbit-HRPSecondary Antibody Dilution:1:5000Gene Name:SIAH2Submitted by:Peter Brand & Dr. Oliver Krammer, Institute for Biotechnology and Biophysics, Center for Molecular Biomedicine, Friedrich-Schiller University, Jena



WB (Western Blot)

Host: RabbitTarget Name: SIAH2Sample Type: MCF7Antibody Dilution: 1.0 $\mu\text{g/mL}$ SIAH2 is supported by BioGPS gene expression data to be expressed in MCF7



WB (Western Blot)

Host: RabbitTarget Name: SIAH2Sample Type: HepG2Antibody Dilution: 1.0 $\mu\text{g/mL}$ SIAH2 is supported by BioGPS gene expression data to be expressed in HepG2

ADDITIONAL INFORMATION

Related Product Information for anti-SIAH2 antibody	This is a rabbit polyclonal antibody against SIAH2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SIAH2 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 regulating cellular response to hypoxia. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-SIAH2 antibody	Polyclonal; Transcription Factor; Cell Cycle Proteins; Lymphocyte Signaling; E3 & Ubiquitin

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982899
NCBI GeneID	6478
NCBI Accession #	NP_005058
NCBI GenBank Nucleotide #	NM_005067
UniProt Accession #	O43255
Molecular Weight	35kDa
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
UniProt Entry Name	SIAH2_HUMAN

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.