

Rabbit SIAH2 Polyclonal Antibody | anti-SIAH2 antibody

SIAH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322086	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

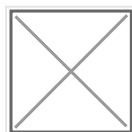
PRODUCT SYNONYMS

SIAH2; Polyclonal Antibody; SIAH2 Antibody; MEA 1; MEA1; MEN 1; Men1; MEN1_HUMAN; Menin; Multiple Endocrine Adenomatosis 1; Multiple Endocrine Neoplasia 1; SCG 2; SCG2; Suppressor Candidate Gene 2; Wermer syndrome; ZES; Zollinger Ellison Syndrome; anti-SIAH2 antibody

PRODUCT SPECIFICATIONS

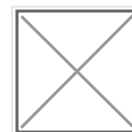
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SIAH2 antibody detects endogenous levels of total SIAH2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	615
Applicable Applications for anti-SIAH2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SIAH2
Subcellular Location	Nucleus. Concentrated in nuclear body-like structures. Relocates to the nuclear matrix upon gamma irradiation.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322086 at 1/100 staining Mouse lung 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.



WB (Western Blot)

Western blot analysis of SIAH2 expression in COLO cells



IF (Immunofluorescence)

AAA322086 staining HuvEc 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) Ab, diluted at 1/600, was used as the secondary antibody.



IF (Immunofluorescence)

AAA322086 staining A549 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.

ADDITIONAL INFORMATION

Related Product Information for anti-SIAH2 antibody

Description: 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.

Function: Essential component of a MLL/SET1 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3 (H3K4). Functions as a transcriptional regulator. Binds to the TERT promoter and represses telomerase expression. Plays a role in TGFB1-mediated inhibition of cell-proliferation, possibly regulating SMAD3 transcriptional activity. Represses JUND-mediated transcriptional activation on AP1 sites, as well as that mediated by NFKB subunit RELA. Positively regulates HOXC8 and HOXC6 gene expression. May be involved in normal hematopoiesis through the activation of HOXA9 expression (By similarity). May be involved in DNA repair.

Subunit Structure: Component of the MLL-HCF complex, at least composed of KMT2A/MLL1, MEN1, ASH2L, RBBP5, DPY30, WDR5, HCFC1 and HCFC2. Component of the menin-associated histone methyltransferase complex, at least composed of KMT2B/MLL4, MEN1, ASH2L, RBBP5, DPY30 and WDR5. Interacts with POLR2B. Interacts with POLR2A phosphorylated at 'Ser-5', but not with the unphosphorylated, nor 'Ser-2' phosphorylated POLR2A forms. Interacts with FANCD2 and DBF4. Interacts with JUND. Interacts with SMAD3, but not with SMAD2, nor SMAD4. Directly interacts with NFKB1, NFKB2 and RELA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18860839
NCBI GeneID	4221
NCBI Accession #	NP_000235.2
NCBI GenBank Nucleotide #	NM_000244.3
UniProt Accession #	O00255; O00632; Q9BUF0; Q9BUK2; A5HBC6; A5HBC7; A5HBC8; A5HBC9; A5HBD0; A5HBD1; A5HBD2
Molecular Weight	Observed: 36 kDa Predicted: 69 kDa
NCBI Official Full Name	menin isoform 1
NCBI Official Synonym Full Names	menin 1
NCBI Official Symbol	MEN1
NCBI Official Synonym Symbols	MEAI; SCG2
NCBI Protein Information	menin
UniProt Protein Name	Menin
UniProt Gene Name	MEN1
UniProt Synonym Gene Names	SCG2

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.