Product Datasheet

SIAH2 Antibody (24E6H3)
NB110-88113

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

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Publications: 20

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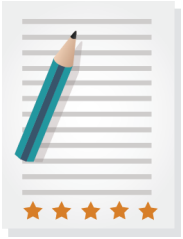
Updated 10/23/2024 v.20.1



NB110-88113

SIAH2 Antibody (24E6H3)

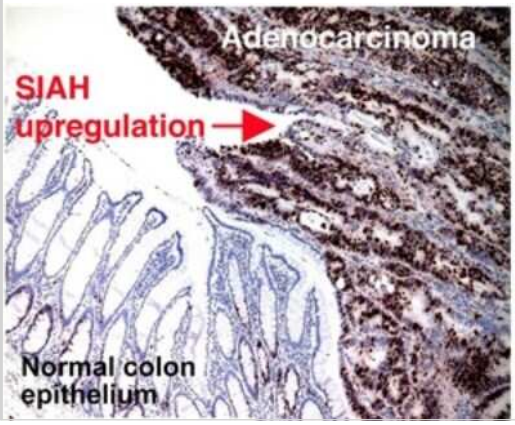
Product Information	
Unit Size	0.5 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	24E6H3
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Tissue culture supernatant
Buffer	Tissue culture supernatant

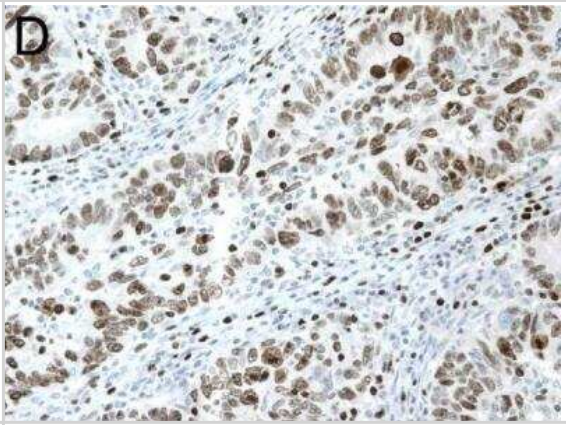
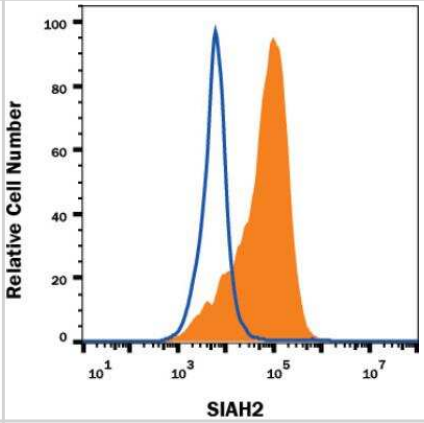
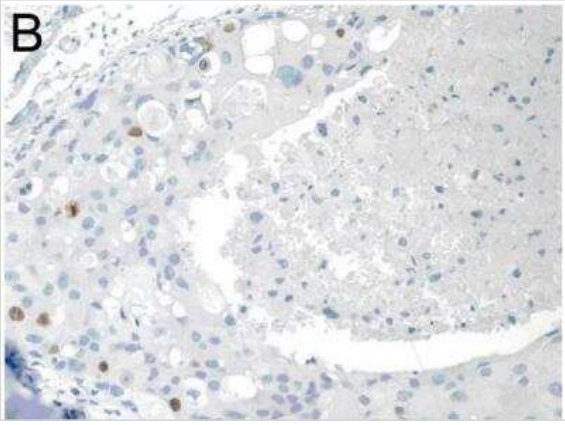
Product Description	
Host	Mouse
Gene ID	6478
Gene Symbol	SIAH2
Species	Human, Porcine, Drosophila, Mouse (Negative)
Specificity/Sensitivity	This is specific for human SIAH2 and Drosophila SINA in proliferating cells and stem cells. This does not detect Drosophila SINAH or normal, nondividing cells.
Immunogen	Synthetic peptide made to an N-terminal portion of the drosophila SINA protein (within residues 1-100). [Swiss-Prot# P21461]

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry 1:10, Immunohistochemistry 1:40-1:50, Immunocytochemistry/ Immunofluorescence 1:10, Immunohistochemistry-Paraffin 1:40-1:50, Immunohistochemistry-Frozen 1:40-1:50, Flow (Intracellular)

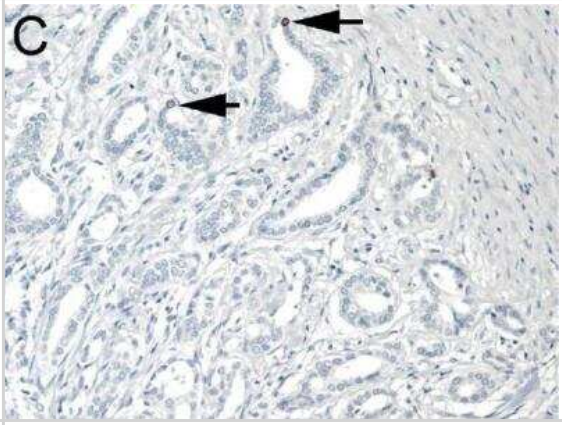
Images

Immunohistochemistry: SIAH2 Antibody (24E6H3) [NB110-88113] - Staining of SIAH in human colorectal adenocarcinoma using NB110-88113. Staining of SIAH was not observed in normal colon epithelium. Photos courtesy of Dr. Amy Tang, Mayo Clinic Cancer Center.

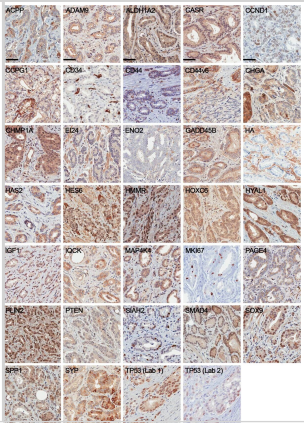


Immunocytochemistry/Immunofluorescence: SIAH2 Antibody (24E6H3) [NB110-88113] - Staining of SIAH in ovarian carcinoma (OVCR3) cells using NB110-88113.	
Immunohistochemistry: SIAH2 Antibody (24E6H3) [NB110-88113] - Strong SIAH2 staining in all nuclei in this basal-like breast carcinoma. Image collected and cropped by CiteAb from the following publication (breast-cancer-research.biomedcentral.com/articles/10.1186/bcr2828), licensed under a CC-BY license.	
Flow (Intracellular): SIAH2 Antibody (24E6H3) [NB110-88113] - Human HepG2 cell line was stained with Mouse Anti- SIAH2 Monoclonal Antibody (Catalog# NB110-88113, orange), or Mouse IgG1 isotype control (Catalog# MAB002, blue) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog# FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog# FC005).	
Immunohistochemistry: SIAH2 Antibody (24E6H3) [NB110-88113] - Moderate to strong staining of SIAH2 in the nucleus of a small proportion of the cell in a high nuclear grade ductal carcinoma in situ with comedo necrosis. Image collected and cropped by CiteAb from the following publication (breast-cancer-research.biomedcentral.com/articles/10.1186/bcr2828), licensed under a CC-BY license.	

Immunohistochemistry: SIAH2 Antibody (24E6H3) [NB110-88113] - Occasional weak to moderate SIAH2 (arrows) staining in a luminal type ductal carcinoma. Image collected and cropped by CiteAb from the following publication (breast-cancer-research.biomedcentral.com/articles/10.1186/bcr2828), licensed under a CC-BY license.



Immunohistochemistry: SIAH2 Antibody (24E6H3) [NB110-88113] - Immunohistochemistry of candidate biomarkers in prostate cancer. Representative immunohistochemical staining of ACPP, ADAM9, ALDH1A2, CASR, CCND1, CCPG1, CD34, CD44, CD44v6, CHGA, CHMP1A, EI24, ENO2, GADD45B, HA, HAS2, HES6, HMMR, HOXC6, HYAL1, IGF1, IQCK, MAP4K4, MKI67, PAGE4, PLIN2, PTEN, SIAH2, SMAD4, SOX9, SPP1, SYP, & TP53 from prostate cancer tissue microarrays. Scale bar represents 50 µm. Image collected & cropped by CiteAb from the following publication (https://bmccancer.biomedcentral.com/articles/10.1186/1471-2407-14-244), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Yan T, Zhou D, Shi Y et al. Targeting ADT-Induced Activation of the E3 Ubiquitin Ligase Siah2 to Delay the Occurrence of Castration-Resistant Prostate Cancer Frontiers in Oncology 2021-04-16 [PMID: 33937036]

Liu Q, Luo Q, Feng J et al. Hypoxia-induced proteasomal degradation of DBC1 by SIAH2 in breast cancer progression eLife 2022-08-01 [PMID: 35913115]

Zhu Y, Liu Q, Luo Q et al. Hypoxia Dynamically Regulates DBC1 Ubiquitination and Stability by SIAH2 and OTUD5 in Breast Cancer Progression bioRxiv 2022-01-01 (IF/IHC, Human)

Hughes SE, Hemenway E, Guo F The E3 ubiquitin ligase Sina regulates the assembly and disassembly of the synaptonemal complex in Drosophila females PLoS Genet. 2019-05-01 [PMID: 31107865] (ICC/IF, Drosophila)

Ma B, Cheng H, Mu C et al. The SIAH2-NRF1 axis spatially regulates tumor microenvironment remodeling for tumor progression Nat Commun 2019-03-04 [PMID: 30833558] (IF/IHC, Human)

Chen Anna, Wong Christina S F, Liu Mira C P et al. The ubiquitin ligase Siah is a novel regulator of Zeb1 in breast cancer. Oncotarget 2015-01-01 [PMID: 25528765] (WB, Human)

Jing Y, Nguyen MM, Wang D et al. DHX15 promotes prostate cancer progression by stimulating Siah2-mediated ubiquitination of androgen receptor. Oncogene 2018-02-01 [PMID: 28991234] (IF/IHC, Human)

van Reesema LL, Zheleva V, Winston JS et al. SIAH and EGFR, Two RAS Pathway Biomarkers, are Highly Prognostic in Locally Advanced and Metastatic Breast Cancer. EBioMedicine. 2016-08-14 [PMID: 27569656] (IF/IHC, Human)

van der Willik KD, Timmermans MM. SIAH2 protein expression in breast cancer is inversely related with ER status and outcome to tamoxifen therapy. Am J Cancer Res. 2016-02-01 [PMID: 27186402] (IHC-P, Human)

Ma B, Cheng H, Gao R et al. Zyxin-Siah2-Lats2 axis mediates cooperation between Hippo and TGF-beta signalling pathways. Nat Commun. 2016-03-31 [PMID: 27030211] (WB, Human)

Moreno P, Lara-Chica M, Soler-Torronteras R et al. The Expression of the Ubiquitin Ligase SIAH2 (Seven In Absentia Homolog 2) Is Increased in Human Lung Cancer. PLoS ONE. 2015-11-20 [PMID: 26580787] (IHC-P, Human)

Wong CS, Chen A, Liu MC et al. Loss of Siah2 does not impact angiogenic potential of murine endothelial cells. Microvasc. Res. 2015-08-11 [PMID: 26275748] (WB, Mouse)

Details:
SIAH2 antibody (clone 24E6H3, NB110-88113) was used for WB on lysates of endothelial cells isolated from lungs of wildtype (WT) and Siah2?/? (KO) mice.

More publications at http://www.novusbio.com/NB110-88113

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Products Related to NB110-88113

NBL1-15955	SIAH2 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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