

Polyclonal Antibody to SIAH1 (+SIAH2) - Aff – Purified

Alternate names: Siah-1, Siah-1a, HUMSIAH, E3 ubiquitin-protein ligase SIAH1, Seven in absentia homolog 1

Catalog No.: AP20448PU-N

Quantity: 100 µg

Concentration: 1,0 mg/ml

Background: SIAH, the human homologue of the Drosophila seven in absentia (sina) gene, is a tumor suppressor protein that is expressed in intestinal epithelium and activated during apoptosis. Human SIAH proteins are produced as two distinct gene products, SIAH-1, and a slightly larger protein SIAH-2, which share a highly conserved C-terminal sequence and differ in their N-terminal regions. SIAH-1 is a 32 kDa protein that contains an N-terminal RING-finger domain, which is required for proteolysis, and a cystein-rich C-terminal domain, which regulates oligomerization and SIAH binding to target proteins. As a tumor suppressor, SIAH-1 binds DCC (deleted in colorectal cancer) and regulates DCC degradation via the ubiquitin-proteasome pathway. SIAH-1 also binds a Bcl-2 related protein, Bag-1, thereby inhibiting cell growth. The majority of SIAH-1 is localized to the nucleus, however a small percentage is detected in the cytoplasm. This nuclear localization suggests that SIAH proteins may interact with other nuclear matrix proteins and DNA.

Uniprot ID: Q8IUQ4

NCBI: NP_001006611

GeneID: 6477

Host / Isotype: Rabbit

Format: State: Liquid purified Ig fraction

Purification: Affinity chromatography (> 95% (by SDS-PAGE)

Buffer System: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Applications: Western Blot: 1/500 - 1/1000.

Immunohistochemistry: 1/50 - 1/200.

Immunofluorescence: 1/50 - 1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Siah-1/2 pAb detects endogenous levels of Siah-1/2 protein.

Species: Human, Mouse, Rat.

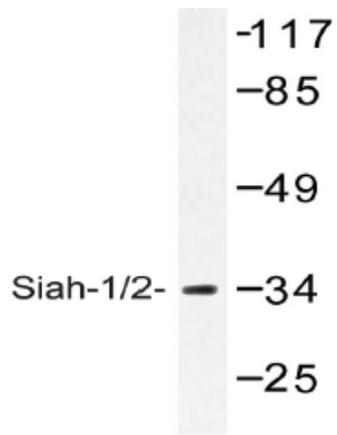
Others not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:



Western blot (WB) analysis of Siah-1/2 pAb in extracts from A549 cells.

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