

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Siah-1/2 (Q210) Peptide

Cat No.: BS2327P

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 cysteine-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.

Swiss-Prot

Q8IUQ4/O43255

Applications

Blocking

Specificity

This peptide can be used with studies using BS2327 Siah-1/2 (Q210) pAb.

Purification & Purity

Synthetic peptide Siah-1/2 (Q210). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.