

ARG63185
anti-SIAH1 antibodyPackage: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes SIAH1 |
| Tested Reactivity | Hu, Ms, Rat |
| Predict Reactivity | Cow, Dog |
| Tested Application | WB |
| Specificity | This product is expected to recognize both reported isoforms (according to NP_003022.3; NP_001006611.1) |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | SIAH1 |
| Species | Human |
| Immunogen | SRQTATALPTGTSKC |
| Conjugation | Un-conjugated |
| Alternate Names | Seven in absentia homolog 1; Siah-1; EC 6.3.2.-; SIAH1A; Siah-1a; E3 ubiquitin-protein ligase SIAH1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|-------------|
| | WB | 1 - 3 µg/ml |

Application Note WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Bioinformation

Database links

[GeneID: 140941 Rat](#)

[GeneID: 6477 Human](#)

[Swiss-port # Q8IUQ4 Human](#)

[Swiss-port # Q920M9 Rat](#)

Background

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 the development of certain forms of Parkinson's disease, the regulation of the cellular response to hypoxia and induction of apoptosis. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008]

Research Area

Cell Biology and Cellular Response antibody; Neuroscience antibody

Calculated Mw

31 kDa

PTM

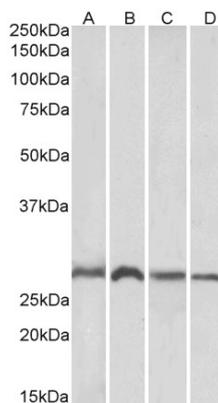
Phosphorylated on Ser-19 by ATM and ATR. This phosphorylation disrupts SIAH1 interaction with HIPK2, and subsequent proteasomal degradation of HIPK2.

Images



ARG63185 anti-SIAH1 antibody WB image

Western Blot: Human Liver lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63185 anti-SIAH1 antibody at 1 µg/ml dilution.



ARG63185 anti-SIAH1 antibody WB image

Western blot: 35 µg of Mouse brain (A), Rat brain (B), Mouse liver (C) and Rat liver (D) lysates (in RIPA buffer) stained with ARG63185 anti-SIAH1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.