

For Research Use Only

SIAH2 Polyclonal antibody

Catalog Number: 12651-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

12651-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3342

GenBank Accession Number:

BC013082

GeneID (NCBI):

6478

UNIPROT ID:

O43255

Full Name:

seven in absentia homolog 2
(Drosophila)

Calculated MW:

324 aa, 35 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB: mouse brain tissue,

IP: MCF-7 cells,

IHC: mouse brain tissue,

IF/ICC: MCF-7 cells,

Background Information

The mammalian Seven-in-absentia homolog 2 (SIAH2), is a RING finger type ubiquitin ligase with a catalytic RING domain on its N-terminus, followed by two zinc fingers and a C-terminal substrate binding domain. Siah is a mammalian homolog of Sina, a Drosophila protein functioning in eye development. Mammals express two isoforms, Siah1 and 2, and mice exhibit two Siah1 isotypes, 1a and 1b. SIAH2 indirectly regulates the level of HIF-1α by promoting degradation of PHDs by UPS. SIAH2, in turn, is positively regulated by hypoxia-dependent transcriptional and posttranscriptional mechanisms.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|-------------------|-------------|
| Min Luo | 33199845 | Nat Cell Biol | WB |
| Qian-Wen Zheng | 34822586 | Toxins (Basel) | WB, IP |
| Fang Huang | 35524561 | Nucleic Acids Res | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

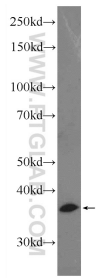
T: 4006900926

E: Proteintech-CN@ptglab.com

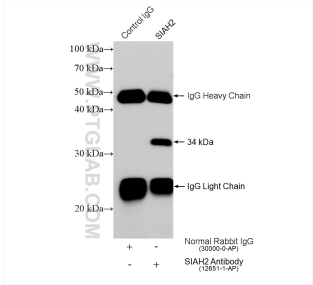
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

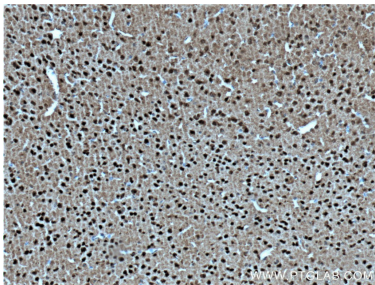
Selected Validation Data



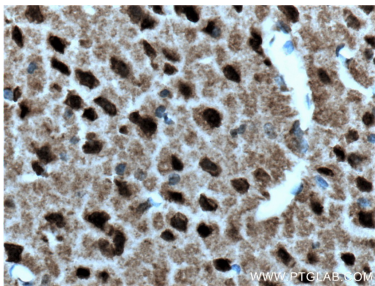
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12651-1-AP (SIAH2 Antibody) at dilution of 1:300 incubated at 4 degree celsius over night.



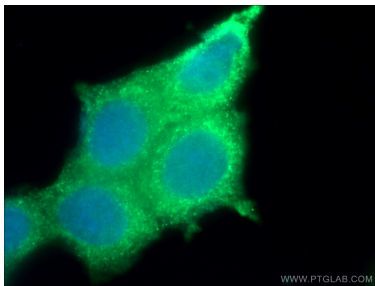
IP result of anti-SIAH2 (IP:12651-1-AP, 4ug; Detection:12651-1-AP 1:500) with MCF-7 cells lysate 760 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12651-1-AP (SIAH2 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12651-1-AP (SIAH2 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 12651-1-AP (SIAH2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).