

For Research Use Only

SIAH2 Polyclonal antibody

Catalog Number: 12651-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

12651-1-AP

Size:

150ul, Concentration: 350 µg/ml by Nanodrop;

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 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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: 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

*** 20ul sizes contain 0.1% BSA

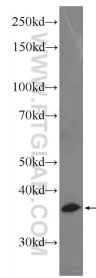
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

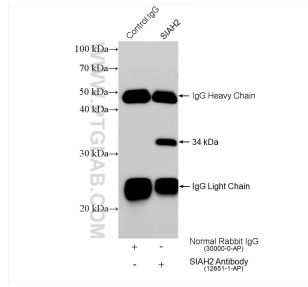
E: proteintech@ptglab.com
W: ptglab.com

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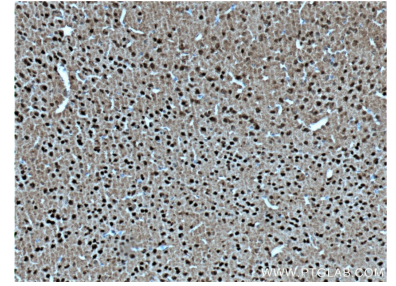
Selected Validation Data



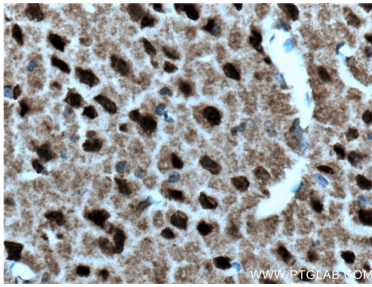
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12651-1-AP (SIAH2 Antibody) at dilution of 1:300 incubated at 4 degree celsius over night.



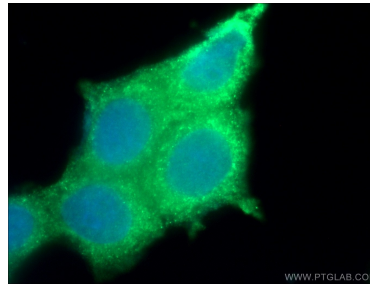
IP result of anti-SIAH2 (IP:12651-1-AP, 4ug; Detection:12651-1-AP 1:500) with MCF-7 cells lysate 760 ug.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).