

For Research Use Only

DHPS Polyclonal antibody

Catalog Number: 11184-1-AP

2 Publications



Basic Information

Catalog Number:

11184-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1646

GenBank Accession Number:

BC014016

GeneID (NCBI):

1725

UNIPROT ID:

P49366

Full Name:

deoxyhypusine synthase

Calculated MW:

41 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

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

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells,

IP : NIH/3T3 cells,

Background Information

DHPS(Deoxyhypusine synthase) catalyzes the conversion of lysine to deoxyhypusine residue on the eukaryotic initiation factor 5A (eIF-5A) precursor using spermidine as the substrate. It belongs to the deoxyhypusine synthase family. This protein has 3 isoforms produced by alternative splicing.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|---------|-------------|
| Takaki Hiwasa | 34103026 | BMC Med | IHC |
| Alain P Gobert | 39027559 | Heliyon | IF |

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

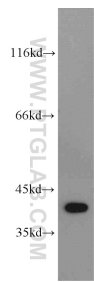
For technical support and original validation data for this product please contact:

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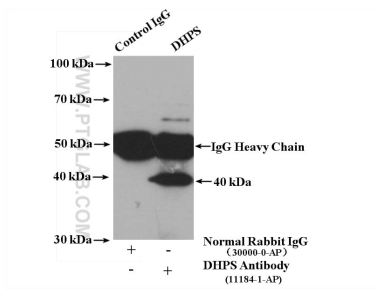
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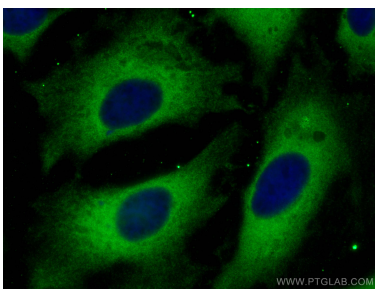
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 11184-1-AP (DHPS antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-DHPS (IP:11184-1-AP, 4ug; Detection:11184-1-AP 1:300) with NIH/3T3 cells lysate 3200 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using DHPS antibody (11184-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).