

For Research Use Only

NFU1 Polyclonal antibody

Catalog Number: 25598-1-AP

1 Publications



Basic Information

Catalog Number:

25598-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22343

GenBank Accession Number:

BC113692

GeneID (NCBI):

27247

UNIPROT ID:

Q9UM50

Full Name:

NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae)

Calculated MW:

254 aa, 28 kDa

Observed MW:

23-28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: mouse cerebellum tissue, mouse brain tissue, mouse testis tissue

IP: mouse brain tissue,

IF/ICC: HepG2 cells,

Background Information

NFU1, also named as HIRA-interacting protein 5 or CGI-33, is a 254 amino acid protein, which belongs to the NifU family. NFU1 localizes in the Mitochondrion. NFU1 is widely expressed in adult tissues. NFU1, as an Iron-sulfur cluster scaffold protein, which can assemble clusters and deliver them to target proteins. It has an association with Multiple mitochondrial dysfunctions syndrome 1.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|---------|-------------|
| Yuyang Liu | 37917749 | Science | 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

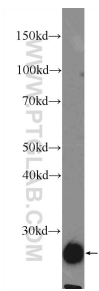
For technical support and original validation data for this product please contact:

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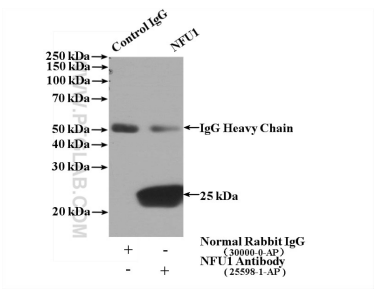
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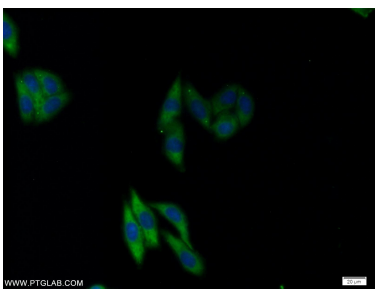
Selected Validation Data



mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 25598-1-AP (NFU1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-NFU1 (IP:25598-1-AP, 4ug; Detection:25598-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of HepG2 cells using 25598-1-AP (NFU1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).