

For Research Use Only

NFU1 Polyclonal antibody

Catalog Number: 25598-1-AP **1 Publications**



Basic Information

Catalog Number: 25598-1-AP	GenBank Accession Number: BC113692	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 27247	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: NFU1 iron-sulfur cluster scaffold homolog (<i>S. cerevisiae</i>)	IF 1:10-1:100
Isotype: IgG	Calculated MW: 254 aa, 28 kDa	
Immunogen Catalog Number: AG22343	Observed MW: 23-28 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: mouse cerebellum tissue, mouse brain tissue, mouse testis tissue
Species Specificity: human, mouse, rat	IP: mouse brain tissue,
Cited Species: human	IF: 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

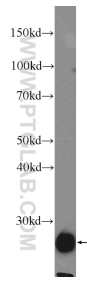
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

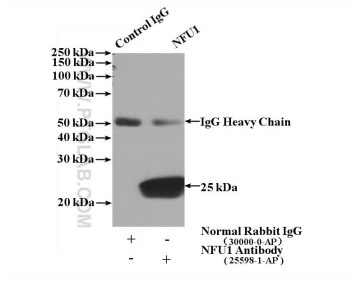
For technical support and original validation data for this product please contact:
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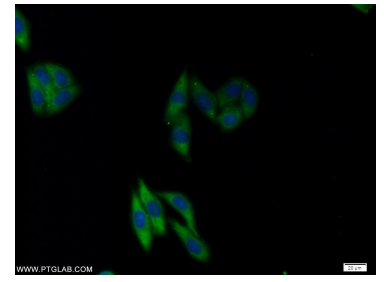
Selected Validation Data



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, 4 μ g; Detection:25598-1-AP 1:1000) with mouse brain tissue lysate 4000 μ g.



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).