

For Research Use Only

NDUFB8 Polyclonal antibody

Catalog Number: 14794-1-AP **23 Publications**



Basic Information

Catalog Number: 14794-1-AP	GenBank Accession Number: BC000466	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4714	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Source: Rabbit	Full Name: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 22 kDa	
Immunogen Catalog Number: AG6495	Observed MW: 19-22 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB: HepG2 cells, various samples, 3T3-L1 cells, mouse brain tissue, mouse liver tissue, rat brain tissue
Species Specificity: human, mouse, rat	IP: HepG2 cells,
Cited Species: human, mouse, pig, rat	IHC: human liver tissue, human heart tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF: HepG2 cells,

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
DeLong Yin	34497154	Aging (Albany NY)	WB
Kazuhide Takahashi	28890359	Exp Gerontol	WB
Ming Qi	34811946	J Cachexia Sarcopenia Muscle	WB

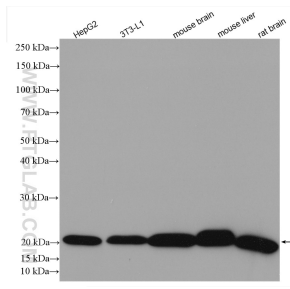
Storage

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

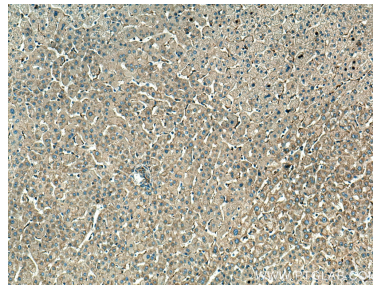
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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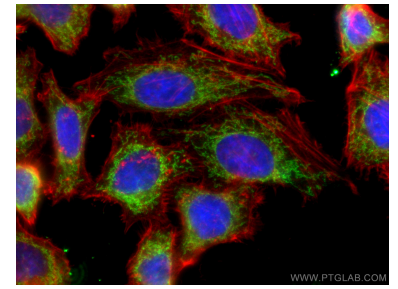
Selected Validation Data



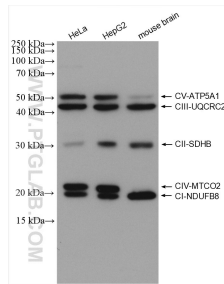
Various lysates were subjected to SDS PAGE followed by western blot with 14794-1-AP (NDUFB8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



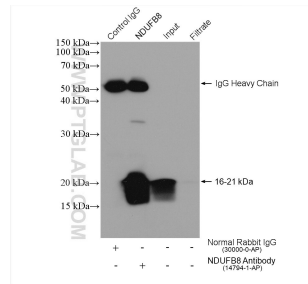
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14794-1-AP (NDUFB8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB8 antibody (14794-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



These five antibodies, ATP5A1 (14676-1-AP, 1:8000), UQCRC2 (14742-1-AP, 1:4000), SDHB (10620-1-AP, 1:8000), MTCO2 (55070-1-AP, 1:1000), NDUFB8 (14794-1-AP, 1:5000), can be assembled OXPHOS kit to detect the relative levels of the 5 OXPHOS complexes in mitochondrial preparations.



IP result of anti-NDUFB8 (IP:14794-1-AP, 4ug; Detection:14794-1-AP 1:2000) with HepG2 cells lysate 880 ug.