

For Research Use Only

NDUFA5 Polyclonal antibody

Catalog Number: 16640-1-AP **8 Publications**



Basic Information

Catalog Number: 16640-1-AP	GenBank Accession Number: BC000813	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4698	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	
Isotype: IgG	Calculated MW: 13 kDa	
Immunogen Catalog Number: AG9995	Observed MW: 13 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : human brain tissue, HeLa cells, human heart tissue, rat liver tissue IHC : human brain tissue, IF : HeLa cells,
Cited Applications: 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

Background Information

NDUFA5, also named as CI-13kD-B and NDUA5, belongs to the complex I NDUFA5 subunit family. It is accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which functions in the transfer of electrons from NADH to the respiratory chain. NDUFA5, an enrichment of mitochondrial protein, can be used as a mitochondrial marker protein (PMID:21360670).

Notable Publications

Author	Pubmed ID	Journal	Application
Jeng-Yuan Shiau	26557148	Evid Based Complement Alternat Med	WB
Cong Wang	31721420	EMBO Rep	WB
Maria Soledad Alvarez	36362254	Int J Mol Sci	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

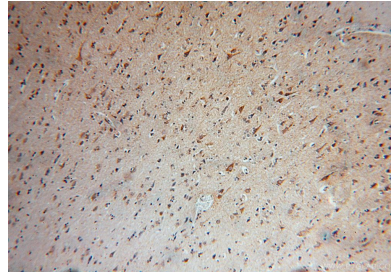
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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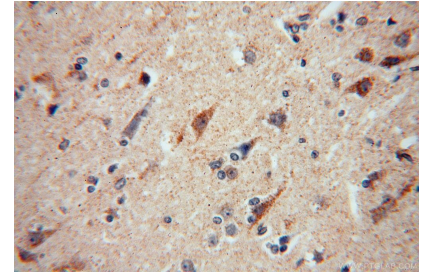
Selected Validation Data



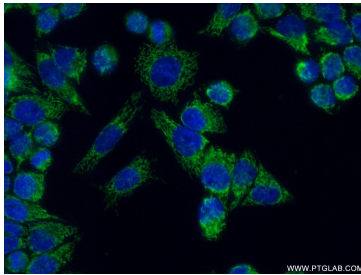
human brain tissue were subjected to SDS PAGE followed by western blot with 16640-1-AP (NDUFA5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 16640-1-AP (NDUFA5 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 16640-1-AP (NDUFA5 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 16640-1-AP (NDUFA5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).