

For Research Use Only

NDUFA5 Recombinant antibody

Catalog Number: 85187-1-RR



Basic Information

Catalog Number: 85187-1-RR	GenBank Accession Number: BC000813	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4698	CloneNo.: 242860B10
Source: Rabbit	UNIPROT ID: Q16718	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	
Immunogen Catalog Number: AG9995	Calculated MW: 13 kDa	
	Observed MW: 13 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, mouse brain tissue, HepG2 cells, HEK-293 cells, rat brain tissue, mouse 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	IHC : mouse brain tissue,

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).

Storage

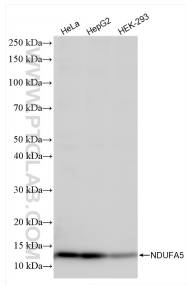
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

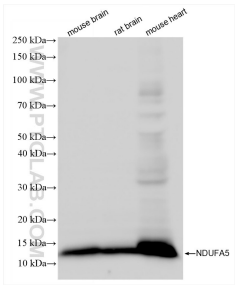
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



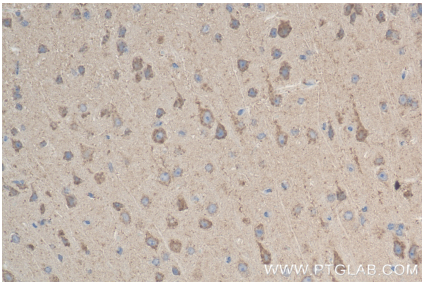
Various lysates were subjected to SDS PAGE followed by western blot with 85187-1-RR (NDUFA5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



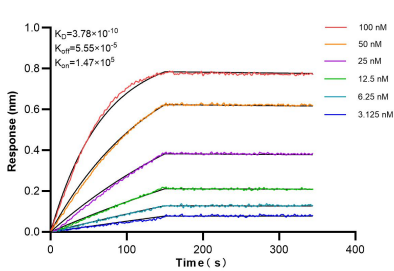
Various lysates were subjected to SDS PAGE followed by western blot with 85187-1-RR (NDUFA5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85187-1-RR (NDUFA5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85187-1-RR (NDUFA5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 85187-1-RR against Human NDUFA5 were performed. The affinity constant is 0.378 nM.