

For Research Use Only

NDUFA5 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85187-1-PBS



Basic Information

Catalog Number: 85187-1-PBS	GenBank Accession Number: BC000813	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4698	CloneNo.: 242860B10
Source: Rabbit	UNIPROT ID: Q16718	
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, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

85187-1-PBS targets NDUFA5 as part of a matched antibody pair:

MP01899-1: 85187-1-PBS capture and 85187-4-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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).

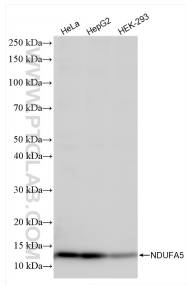
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

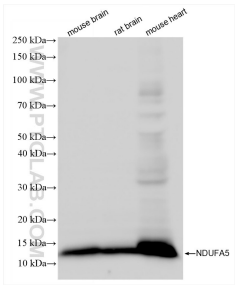
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



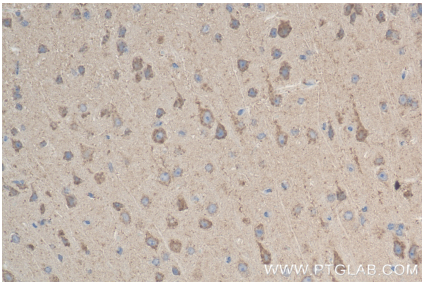
Various lysates were subjected to SDS PAGE followed by western blot with 85187-1-RR (NDUF A5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85187-1-PBS in a different storage buffer formulation.



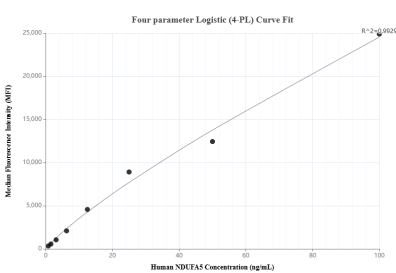
Various lysates were subjected to SDS PAGE followed by western blot with 85187-1-RR (NDUF A5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85187-1-PBS in a different storage buffer formulation.



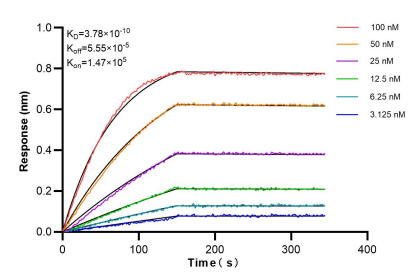
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85187-1-RR (NDUF A5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85187-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85187-1-RR (NDUF A5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85187-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01899-1, NDUF A5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85187-1-PBS. Detection antibody: 85187-4-PBS. Standard: Ag9995. Range: 0.781-100 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 85187-1-RR against Human NDUF A5 were performed. The affinity constant is 0.378 nM.