

For Research Use Only

NDUFS3 Polyclonal antibody

Catalog Number: 15066-1-AP 19 Publications



Basic Information

Catalog Number: 15066-1-AP	GenBank Accession Number: BC000617	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 500 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4722	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 30 kDa	
Immunogen Catalog Number: AG7072	Observed MW: 30 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293T cells, HepG2 cells, mouse heart tissue
Cited Applications: IF, IHC, WB	IP : mouse heart tissue,
Species Specificity: human, mouse, rat	IHC : mouse testis tissue,
Cited Species: human, mouse, pig, rat	IF : HepG2 cells,
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

NDUFS3(NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial) is also named as CI-30kD and belongs to the complex I 30 kDa subunit family. It catalyzes the oxidation of NADH, with the concomitant reduction of ubiquinone and ejection of protons out of the mitochondria(PMID:10967146). NDUFS3 can be used as a mitochondrial matrix control(PMID:17344420). The full length has a transit peptide with 36 amino acids.

Notable Publications

Author	Pubmed ID	Journal	Application
Shao-Ming Shen	26415504	EMBO Rep	WB
Siddhesh Aras	25315652	Mitochondrion	WB
Siddhesh Aras	27913209	Biochim Biophys Acta	WB

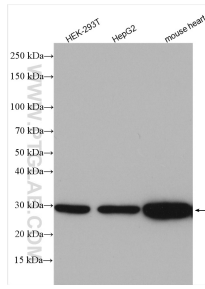
Storage

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

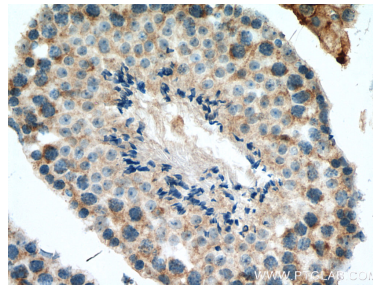
For technical support and original validation data for this product please contact:
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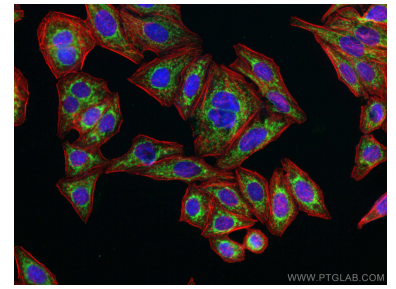
Selected Validation Data



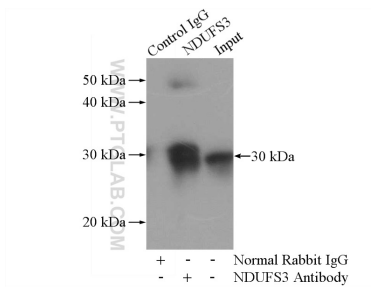
Various lysates were subjected to SDS PAGE followed by western blot with 15066-1-AP (NDUFS3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15066-1-AP (NDUFS3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NDUFS3 antibody (15066-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-NDUFS3 (IP:15066-1-AP, 4ug; Detection:15066-1-AP 1:500) with mouse heart tissue lysate 4000ug.