

# Product Datasheet

## Ndufs4 Antibody - BSA Free

### NBP1-31465

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 3

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**NBP1-31465**

Ndufs4 Antibody - BSA Free

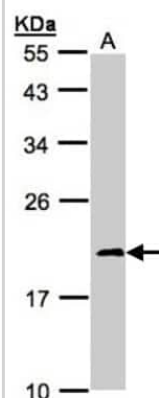
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
Target Molecular Weight	20 kDa

Product Description	
Description	Novus Biologicals Rabbit Ndufs4 Antibody - BSA Free (NBP1-31465) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Ndufs4 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4724
Gene Symbol	NDUFS4
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Zebrafish (80%), Bovine (89%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Ndufs4. The exact sequence is proprietary.

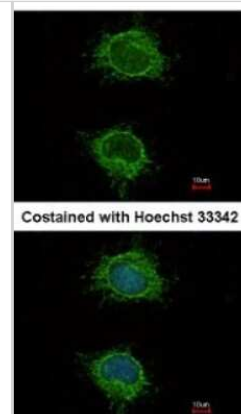
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

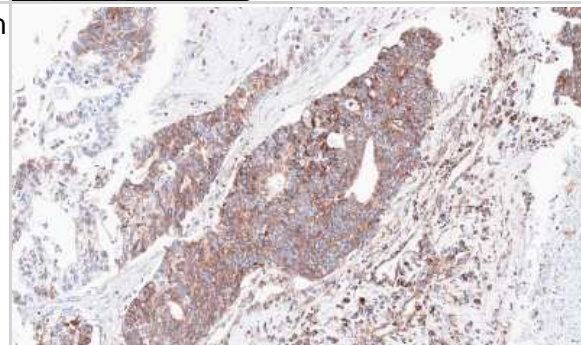
Western Blot: Ndufs4 Antibody [NBP1-31465] - Sample(30ug whole cell lysate) A: 293T 12% SDS PAGE, antibody diluted at 1:1000.



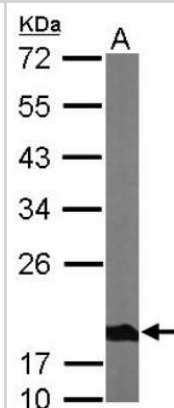
Immunocytochemistry/Immunofluorescence: Ndufs4 Antibody [NBP1-31465] - Analysis of methanol-fixed HeLa, using antibody at 1:100 dilution.



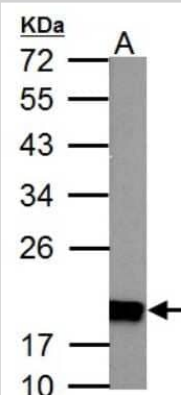
Immunohistochemistry-Paraffin: Ndufs4 Antibody [NBP1-31465] - Human ovarian cancer, using NDUFS4 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: Ndufs4 Antibody [NBP1-31465] - Sample (50 ug of whole cell lysate) A: Mouse brain 12% SDS PAGE; antibody diluted at 1:1000.



Western Blot: Ndufs4 Antibody [NBP1-31465] - 50 ug Rat heart lysate/extract 12% SDS-PAGE gel, antibody dilution 1:1000.



## Publications

Corra S, Cerutti R, Balmaceda V et al. Double administration of self-complementary AAV9NDUFS4 prevents Leigh disease in Ndufs4<sup>-/-</sup> mice Brain 2022-01-01 [PMID: 36270002] (IHC-P, WB, Mouse)

Yang T, Wang Y, Liao W Et al. Down-regulation of EPB41L4A-AS1 mediated the brain aging and neurodegenerative diseases via damaging synthesis of NAD<sup>+</sup> and ATP Research Square 2021-09-29 [PMID: 34758883] (WB)

Silva-Pinheiro P, Cerutti R, Luna-Sanchez M et al. A Single Intravenous Injection of AAV-PHP.B-hNDUFS4 Ameliorates the Phenotype of Ndufs4<sup>-/-</sup> Mice Mol Ther Methods Clin Dev 2020-06-12 [PMID: 32478122] (IHC-P, WB, Human)





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### **Products Related to NBP1-31465**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-89026PEP	Ndufs4 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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