

# Product Datasheet

## NDUFB5 Antibody - BSA Free

### NBP1-59500

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-59500**

NDUFB5 Antibody - BSA Free

**Product Information**

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 100 ul                                                                                 |
| <b>Concentration</b> | 0.5 mg/ml                                                                              |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Polyclonal                                                                             |
| <b>Preservative</b>  | 0.09% Sodium Azide                                                                     |
| <b>Isotype</b>       | IgG                                                                                    |
| <b>Purity</b>        | Affinity purified                                                                      |
| <b>Buffer</b>        | PBS, 2% Sucrose                                                                        |

**Product Description**

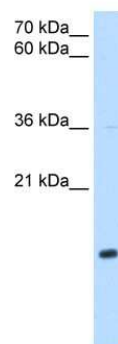
|                                |                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.                                                                                         |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                              |
| <b>Gene ID</b>                 | 4711                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Symbol</b>             | NDUFB5                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>                 | Human, Rat                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity Notes</b>        | Rat reactivity reported in scientific literature (PMID: 26790384)                                                                                                                                                                                                                                                                   |
| <b>Specificity/Sensitivity</b> | This product is specific to Subunit or Isoform: 5, mitochondrial.                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>               | Synthetic peptides corresponding to NDUFB5(NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa) The peptide sequence was selected from the middle region of NDUFB5. Peptide sequence KLLRFYIALTGIPVAIFITLVNVFIGQAELAEIPEGYVPEHWEYYKHPIS The peptide sequence for this immunogen was taken from within the described region. |

**Product Application Details**

|                              |                        |
|------------------------------|------------------------|
| <b>Applications</b>          | Western Blot           |
| <b>Recommended Dilutions</b> | Western Blot 1.0 ug/ml |

**Images**

Western Blot: NDUFB5 Antibody [NBP1-59500] - HepG2 cell lysate, concentration 0.2-1 ug/ml.



## Publications

Kang K, Ko J, Lee H et al. Surgically Metabolic Resection of Pericardial Fat to Ameliorate Myocardial Mitochondrial Dysfunction in the Acute Myocardial Infarction Obese Rat Journal of Korean Medical Science 2022-02-08 [PMID: 35257523] (WB, Rat)

Kang KW, Kim OS, Chin JY et al. Diastolic Dysfunction Induced by a High-Fat Diet Is Associated with Mitochondrial Abnormality and Adenosine Triphosphate Levels in Rats. Endocrinol Metab (Seoul). 2015-12-01 [PMID: 26790384] (WB, Rat)





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### **Products Related to NBP1-59500**

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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                          |
| H00004711-P01-10ug | Recombinant Human NDUFB5 GST (N-Term) Protein       |

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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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