

## Rabbit anti-Human NDUF9 Polyclonal Antibody | anti-NDUF9 antibody

Anti-NDUF9 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA255924</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

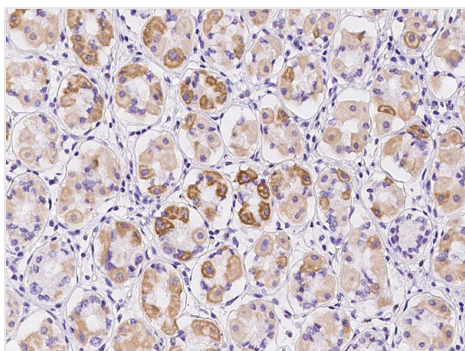
### PRODUCT SYNONYMS

NDUF9; Polyclonal Antibody; Anti-NDUF9 Antibody; Rabbit Polyclonal; NDUF9 Antibody; Rabbit PAb; Antigen Affinity Purified; NADH dehydrogenase (ubiquinone) 1 beta subcomplex; 9; 22kDa; Anti-B22 Antibody; Anti-CI-B22 Antibody; Anti-LYRM3 Antibody; Anti-UQOR22 Antibody; anti-NDUF9 antibody

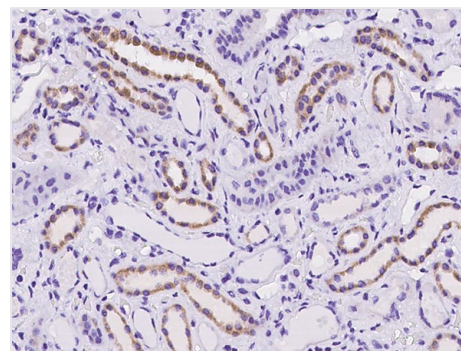
### PRODUCT SPECIFICATIONS

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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                     | Human NDUF9                                                                                                                                                                                                                                        |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                     | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-NDUF9 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                         |
| Immunogen                                       | E Coli-derived Human NDUF9 fragment                                                                                                                                                                                                                |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human NDUF9 fragment, and purified by antigen affinity chromatography.                                                                                                                           |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES


**IHC (Immunohistochemistry)**

Immunochemical staining of human NDUF9 in human stomach with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.


**IHC (Immunohistochemistry)**

Immunochemical staining of human NDUF9 in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

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| Related Product Information for anti-NDUFB9 antibody | NDUFB9 is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I). Human NADH dehydrogenase (ubiquinone) 1beta-subcomplex, 9 (NDUFB9) is a nuclear-encoded mitochondrial protein with the respiratory electron transport chain. It has been physically mapped to a 1-Mb deletion at chromosome 8q13 which also contains the gene for branchio-oto-renal (BOR) syndrome. BOR syndrome is characterized by branchial and renal abnormalities with hearing impairment. Since several hereditary deafness disorders have been associated with mitochondrial mutations, NDUFB9 was considered a candidate gene for BOR syndrome. NDUFB9 is down-regulated in highly metastatic breast cancer cells. Mutant NDUFB9 is a new cause of complex I deficiency. |
| References                                           | Lin X, et al. (1999) Human ndufb9 gene: Genomic organization and a possible candidate gene associated with deafness disorder mapped to chromosome 8q13. Hum Hered 49 (2): 75-80.Li LD, et al. (2015) Down-regulation of ndufb9 promotes breast cancer cell proliferation, metastasis by mediating mitochondrial metabolism. PLoS One 10 (12): e0144441.                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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