

## Rabbit anti-Human, Mouse NDUF3 Polyclonal Antibody | anti-NDUF3 antibody

NDUF3 Antibody (N-Term)

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS |
|-----------|--------|--------------|--------------|
| AAA290548 | Rabbit | Human, Mouse | Western Blot |

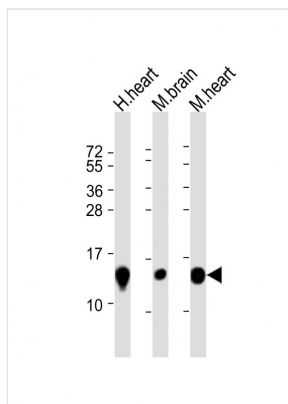
### PRODUCT SYNONYMS

NDUF3; Polyclonal Antibody; NDUF3 Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3; Complex I-B12; CI-B12; NADH-ubiquinone oxidoreductase B12 subunit; anti-NDUF3 antibody

### PRODUCT SPECIFICATIONS

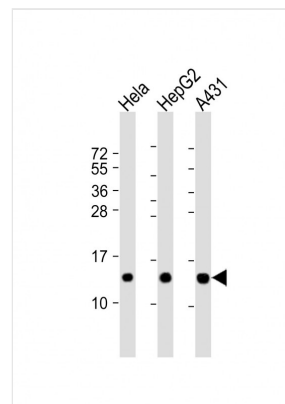
|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human, Mouse                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Ig                                                                                                                                                                           |
| Specificity                                     | This NDUF3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 13-45 amino acids from human NDUF3.                                 |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Sequence Length                                 | 98                                                                                                                                                                           |
| Applicable Applications for anti-NDUF3 antibody | WB (Western Blot)                                                                                                                                                            |
| Antigen Source                                  | Human                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### WB (Western Blot)

All lanes : Anti-NDUF3 Antibody (N-Term) at 1:8000 dilution  
Lane 1: human heart lysate  
Lane 2: mouse brain lysate  
Lane 3: mouse heart lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 11 kDa  
Blocking/Dilution buffer: 5% NFD/TBST.



#### WB (Western Blot)

All lanes : Anti-NDUF3 Antibody (N-Term) at 1:2000 dilution  
Lane 1: HeLa whole cell lysate  
Lane 2: HepG2 whole cell lysate  
Lane 3: A431 whole cell lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 11 kDa  
Blocking/Dilution buffer: 5% NFD/TBST.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NDUFB3 antibody | Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.                |
| Product Categories/Family for anti-NDUFB3 antibody   | Crown Antibodies; Cancer; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                            |
| References                                           | Ton C.,et al.Biochem. Biophys. Res. Commun. 241:589-594(1997). Loeffen J.L.C.M.,et al.Biochem. Biophys. Res. Commun. 253:415-422(1998). Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DBJ databases. Hillier L.W.,et al.Nature 434:724-731(2005). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DBJ databases. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 380036038                                                   |
| NCBI GeneID                      | 4709                                                        |
| NCBI Accession #                 | NP_001244031.1                                              |
| NCBI GenBank Nucleotide #        | NM_001257102.1                                              |
| UniProt Accession #              | O43676; Q6IB80                                              |
| Molecular Weight                 | 11402                                                       |
| NCBI Official Full Name          | NADH dehydrogenase                                          |
| NCBI Official Synonym Full Names | NADH:ubiquinone oxidoreductase subunit B3                   |
| NCBI Official Symbol             | NDUFB3                                                      |
| NCBI Official Synonym Symbols    | B12; CI-B12                                                 |
| NCBI Protein Information         | NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3 |
| UniProt Protein Name             | NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3 |
| UniProt Gene Name                | NDUFB3                                                      |
| UniProt Synonym Gene Names       | CI-B12                                                      |
| UniProt Entry Name               | NDUB3_HUMAN                                                 |

**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.