

## Anti-NDUFS3 Antibody (4H392)

### Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG                                  |
| Reactivity:       | Human                                |
| Molecular Weight: | Theoretical: 30 kDa. Actual: 27 kDa. |
| Clone:            | 4H392                                |
| Purification:     | Protein A purified                   |

### Applications

|                    |  |
|--------------------|--|
| Verified Activity: | <p>1. Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS3 Monoclonal Antibody, Unconjugated (TMAB-09323) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L Secondary Antibody-HRP and DAB staining.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS3 Monoclonal Antibody, Unconjugated (TMAB-09323) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L Secondary Antibody-HRP and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS3 Monoclonal Antibody, Unconjugated (TMAB-09323) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L Secondary Antibody-HRP and DAB staining.</p> <p>4. Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS3 Monoclonal Antibody, Unconjugated (TMAB-09323) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L Secondary Antibody-HRP and DAB staining.</p> <p>5. 25 µg total protein per lane of various lysates (see on figure) probed with NDUFS3 monoclonal antibody, unconjugated (TMAB-09323) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> |
| Application:       | WB,IHC-P,IHC-Fr,ICC/IF,IF,IP   |
| Recommended        | WB: 1:500-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; ICC/IF: 1:50-200; IF: 1:50-200; IP: 1:20-50   |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

Immunogen: A synthesized peptide: human NDUF53  
Antigen Species: Human  
Gene ID: 4722  
Uniprot ID: O75489

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### Research Background

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor. Essential for the catalytic activity and assembly of complex I.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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