

Anti-MT-ND5 Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Human,Rat |
| Molecular Weight: | Theoretical: 67 kDa. Actual: 67 kDa. |
| Purification: | Protein A purified |

Applications

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| Verified Activity: | 1. Sample: Cerebrum (Rat) Lysate at 40 µg Primary: Anti-MT-ND5 (TMAB-09076) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67 kD Observed band size: 67 kD |
| | 2. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-MT-ND5 Polyclonal Antibody, Unconjugated (TMAB-09076) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining |
| | 3. Tissue/cell: rat brain tissue 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-MT-ND5 Polyclonal Antibody, Unconjugated (TMAB-09076) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining |
| | 4. Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MT-ND5) Polyclonal Antibody, Unconjugated (TMAB-09076) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining. |
| Application: | WB,IHC-P,IHC-Fr,IF |
| Recommended | WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500 |

Properties

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| 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: KLH conjugated synthetic peptide: human MT-ND5
Antigen Species: Human
Gene ID: 4540
Uniprot ID: P03915

Research Background

MT-ND5 is the core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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