

Anti-MTRF1L Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit) |
| Molecular Weight: | Theoretical: 40 kDa. Actual: 43 kDa. |
| Purification: | Protein A purified |

Applications

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| Verified Activity: | <p>1. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (MTRF1) Polyclonal Antibody, Unconjugated (TMAB-09083) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>2. Sample: Muscle (Mouse) Lysate at 40 µg</p> <p>Primary: Anti-MTRF1 (TMAB-09083) at 1/300 dilution</p> <p>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution</p> <p>Predicted band size: 40 kD</p> <p>Observed band size: 43 kD</p> |
| 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

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| Immunogen: | KLH conjugated synthetic peptide: human MTRF1L |
| Antigen Species: | Human |
| Gene ID: | 54516 |
| Uniprot ID: | Q9UGC7 |

Research Background

Mitochondrial DNA encodes 13 proteins that play essential roles in the respiratory chain, while all proteins involved in mitochondrial translation are encoded by nuclear genes that are imported from the cytoplasm. MTRF1L is a nuclear-encoded protein that functions as a releasing factor that recognizes termination codons and releases mitochondrial ribosomes from the synthesized protein (summary by Nozaki et al., 2008 [PubMed 18429816]). [supplied by OMIM, Nov 2010]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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