Anti-NDUFV1 Polyclonal Antibody

Cat: K108835P

Summary:

【**Product name**】: Anti-NDUFV1 antibody

【**Source**】: Rabbit

【**Isotype**】: IgG

【**Species reactivity**】: Human Mouse Rat

【**Swiss Prot**】: P49821

【**Gene ID**】: 4723

【**Calculated**】: MW:51kDa

【**Observed**】: MW:51kDa

【**Purification**】: Affinity purification

【**Tested applications**】: WB

【**Recommended dilution**】: WB 1:1000-3000.

【**WB Positive sample**】: Mouse kidney,Rat brain

【**Subcellular location**】: Cytoplasm

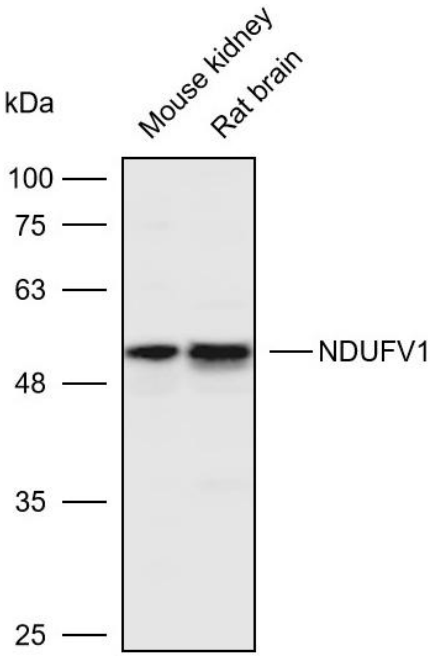
【**Immunogen**】: Recombinant protein of human NDUFV1

【**Storage**】: Shipped at 4°C. Upon delivery aliquot and store at -20°C

Background:

The mitochondrial respiratory chain provides energy to cells via oxidative phosphorylation and consists of four membrane-bound electron-transporting protein complexes (I-IV) and an ATP synthase (complex V). This gene encodes a 51 kDa subunit of the NADH:ubiquinone oxidoreductase complex I; a large complex with at least 45 nuclear and mitochondrial encoded subunits that liberates electrons from NADH and channels them to ubiquinone. This subunit carries the NADH-binding site as well as flavin mononucleotide (FMN)- and Fe-S-biding sites. Defects in complex I are a common cause of mitochondrial dysfunction; a syndrome that occurs in approximately 1 in 10,000 live births. Mitochondrial complex I deficiency is linked to myopathies, encephalomyopathies, and neurodegenerative disorders such as Parkinson's disease and Leigh syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Verified picture



Western blot analysis with NDUFV1 antibody diluted at 1:2000;Lane:Mouse kidney,Rat brain