10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MT-ND1 Antibody

Rabbit mAb
Catalog # AP92305

Product Information

Application	WB
Primary Accession	P03886
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	MT-ND1; MTND1; NAD1; NADH1; ND1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35661

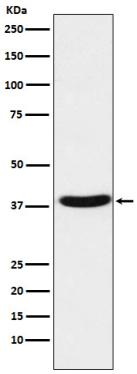
Additional Information

Dilution	WB 1:5000~1:20000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MT-ND1
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	MT-ND1
Synonyms	MTND1, NADH1, ND1
Function	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 (PubMed:1959619). Essential for the catalytic activity and assembly of complex I (PubMed:1959619, PubMed:26929434).
Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03887}; Multi-pass membrane protein

Images



Western blot analysis of MT-ND1 expression in Human fetal muscle lysate.