NU6M Rabbit pAb

CatalogNo: YN0939

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Rat	• WB,ELISA

MW	Isotype
• 19kD (Observed)	• IgG

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human protein . at AA range: 30-110
Specificity	NU6M Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	MT-ND6 MTND6 NADH6 ND6

Protein Name NADH-ubiquinone oxidoreductase chain 6 (NADH dehydrogenase subunit 6)

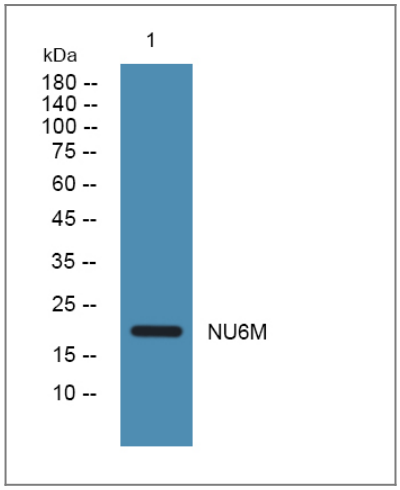
Organism	Gene ID	UniProt ID
Human	4541;	P03923;
Mouse		P03925;
Rat		P03926;

Cellular Localization Mitochondrion inner membrane ; Multi-pass membrane protein .

Tissue specificity Blood,Bone fossil,Bones,Breast cancer,Distant normal tissue,Glioma,

Function Catalytic activity:NADH + ubiquinone = NAD(+) + ubiquinol.,Disease:Defects in MT-ND6 are a cause of Leber hereditary optic neuropathy (LHON) [MIM:535000]. LHON is a maternally inherited disease resulting in acute or subacute loss of central vision, due to optic nerve dysfunction. Cardiac conduction defects and neurological defects have also been described in some patients. LHON results from primary mitochondrial DNA mutations affecting the respiratory chain complexes.,Disease:Defects in MT-ND6 are a cause of Leber hereditary optic neuropathy with dystonia (LDYT) [MIM:500001]; also called familial dystonia with visual failure and striatal lucencies. LDYT is part of a spectrum of Leber hereditary optic neuropathy. It is characterized by the association of optic atrophy and central vision loss with dystonia.,Disease:Defects in MT-ND6 are a cause of mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes syndrome (MELAS) [MIM:540000]. MELAS is a genetically heterogenious disorder, characterized by episodic vomiting, seizures, and recurrent cerebral insults resembling strokes and causing hemiparesis, hemianopsia, or cortical blindness.,Function: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.,similarity:Belongs to the complex I subunit 6 family.,

Validation Data



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

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