



NDUFS7 Mouse mAb

Catalog No	YP-mAb-02711
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 80-160 of human NDUFS7 (NP_077718.3).
Specificity	
Formulation	
Source	
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PSST;NADH-ubiquinone oxidoreductase 20 kDa subunit;NADH dehydrogenase [ubiquinone] iron-sulfur protein 7;mitochondrial;EC:7.1.1.2;Complex I-20kD; NDUFS7;NADH dehydrogenase [ubiquinone] iron-sulfur protein 7 mitochondrial; CI-20kD;PSST subunit;CI-20;MY017;NADH:ubiquinone oxidoreductase core subunit S7
Observed Band	22kDa/23kDa
Calculated Molecular Weight	20kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	This gene encodes a protein that is a subunit of one of the complexes that forms the mitochondrial respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide adenine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of electrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electron acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to



mitochondrial complex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic lesions in subcortical brain regions

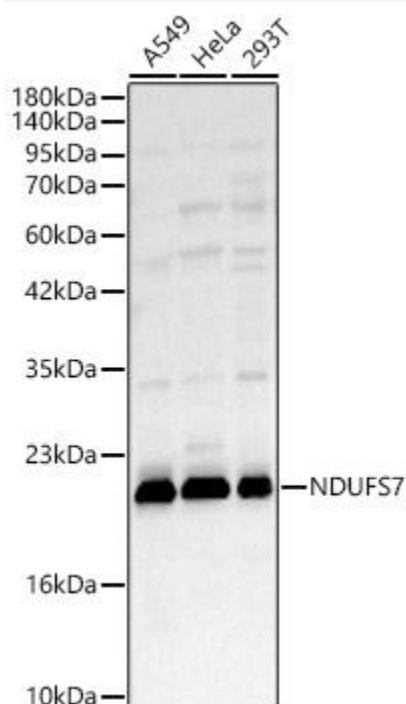
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of various lysates, using NDUF57 Mouse pAb (A24466) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.