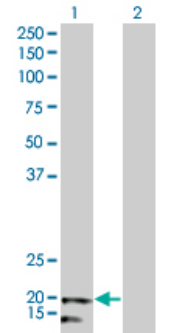
NDUFB5 monoclonal antibody (M01), clone 5G5

Catalog # H00004711-M01 Size 100 ug

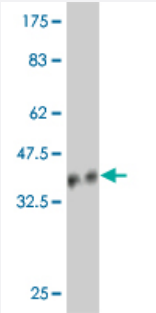
Applications



Western Blot (Transfected lysate)

Western Blot analysis of NDUFB5 expression in transfected 293T cell line by NDUFB5 monoclonal antibody (M01), clone 5G5.

Lane 1: NDUFB5 transfected lysate(21.8 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.19 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NDUFB5.
Immunogen	NDUFB5 (NP_002483, 95 a.a. ~ 189 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QAELAEIPEGYVPEHWEYYKHPISRWIARNFYDSPEKIYERTMAVLQIEAEKAELRVKELEVRKLMH VRGDGPWYYYETIDKELIDHSPKATPDN
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.19 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of NDUFB5 expression in transfected 293T cell line by NDUFB5 monoclonal antibody (M01), clone 5G5.

  Lane 1: NDUFB5 transfected lysate(21.8 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — NDUFB5

Entrez GeneID	4711
GeneBank Accession#	NM_002492
Protein Accession#	NP_002483
Gene Name	NDUFB5
Gene Alias	CI-SGDH, DKFZp686N02262, FLJ30597, MGC111204, MGC12314, SGDH
Gene Description	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa
Omim ID	603841
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. [provided by RefSeq
Other Designations	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGDH)|NADH-ubiquinone oxidoreductase SGDH subunit

Pathway

- Metabolic pathways
- Oxidative phosphorylation

Disease

- Alzheimer disease
- Cognition
- Genetic Predisposition to Disease
- Prostatic Neoplasms