SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-NDUFS1 Monoclonal Antibody

Catalog Number: SLA3267M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	11C9
GeneID:	4719
SWISS:	P28331
Target:	NDUFS1
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) ELISA (1:5000-10000) IP (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Background:	The protein encoded by this gene belongs to the complex I 75 kDa subunit family. 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. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011],

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[VALIDATION IMAGES]

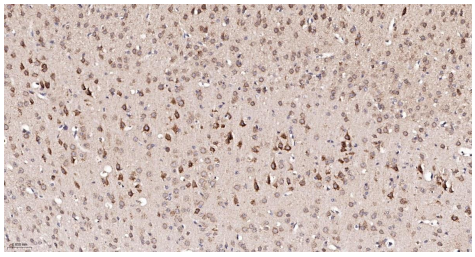


Figure 1. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

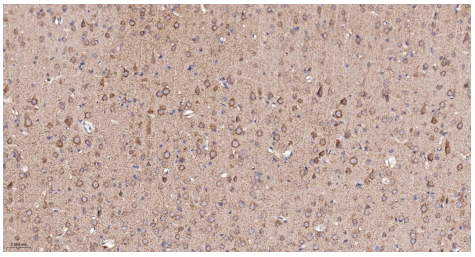


Figure 2. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

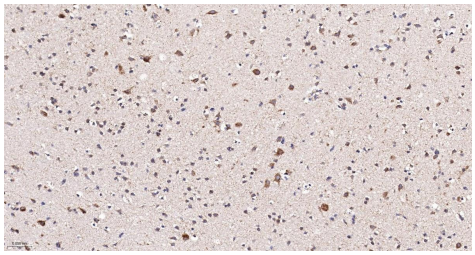


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

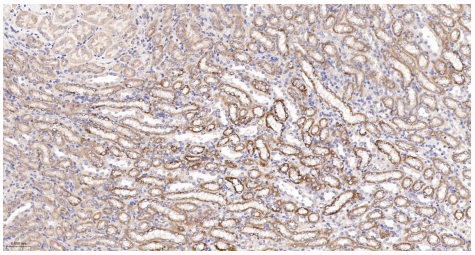


Figure 4. Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

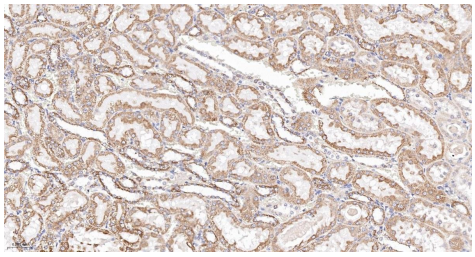


Figure 5. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

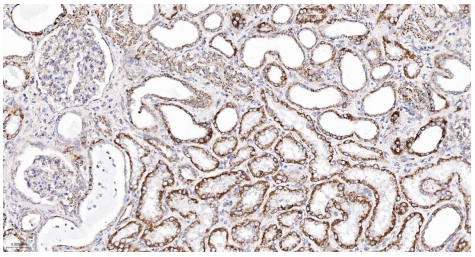


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

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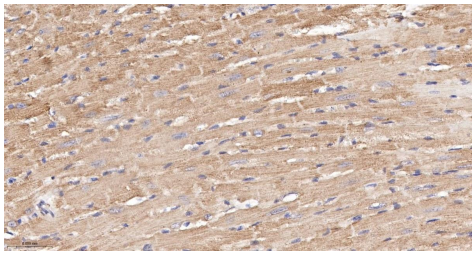


Figure 7. Paraformaldehyde-fixed, paraffin embedded Mouse Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

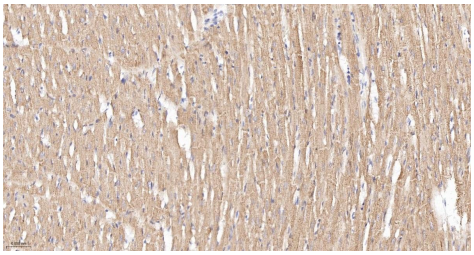


Figure 8. Paraformaldehyde-fixed, paraffin embedded Rat Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

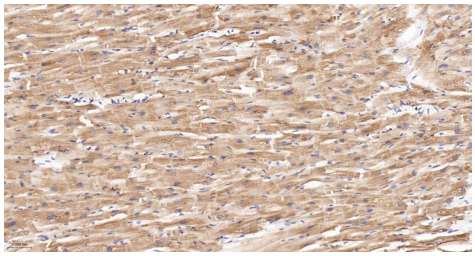


Figure 9. Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

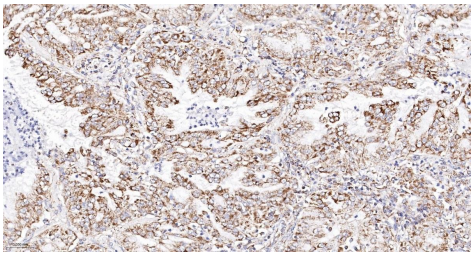


Figure 10. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

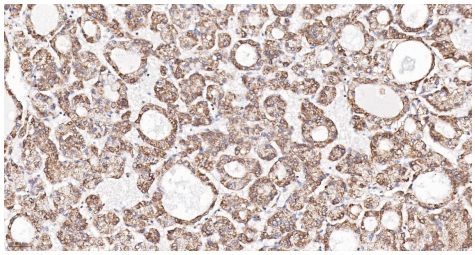


Figure 11. Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

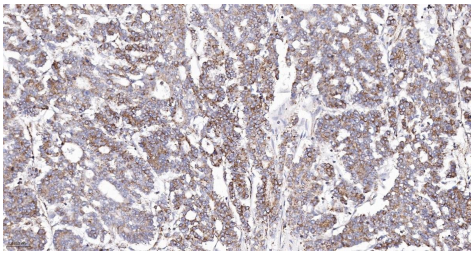


Figure 12. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

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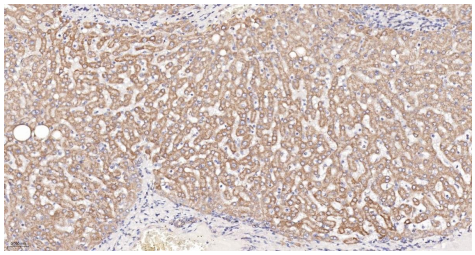


Figure 13. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.

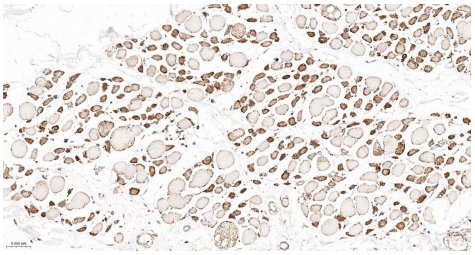


Figure 14. Paraformaldehyde-fixed, paraffin embedded Human Skeletal muscle; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NDUFS1 | CI-75kD Monoclonal Antibody, Unconjugated (SLA3267M) at 1:200 overnight at 4°C, followed by incubation with SL0295G-HRP and DAB (C-0010) staining.
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