SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-FH Monoclonal Antibody

Catalog Number: SLA0408M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	9H1
GeneID:	2271
SWISS:	P07954
Target:	FH
Immunogen:	KLH conjugated synthetic peptide derived from human Fumarase/FH
Purification:	affinity purified by Protein G
Concentration:	1mg/ml
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 (1:200-1000) IHC-F (1:200-1000) IF (1:200-1000) Flow-Cyt (1:100-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	51 kDa
Subcellular Location:	Cytoplasm
Background:	The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in both a cytosolic form and an N-terminal extended form, differing only in the translation start site used. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension generates the same form as in the cytoplasm. It is similar to some thermostable class II fumarases and functions as a homotetramer. Mutations in

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	this gene can cause fumarase deficiency and lead to progressive encephalopathy. [provided by RefSeq, Jul 2008]

[VALIDATION IMAGES]

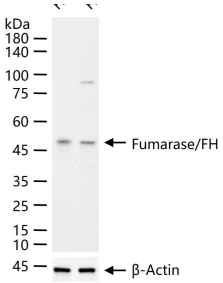


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with Fumarase/FH monoclonal antibody, unconjugated (SLA0408M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

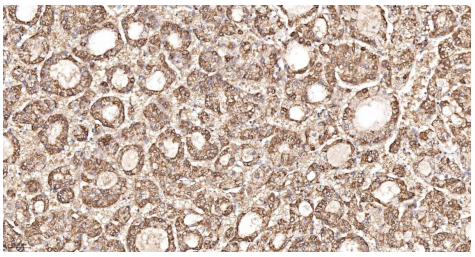


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

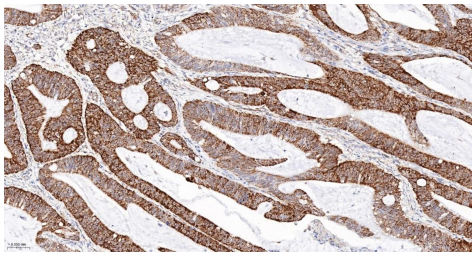


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

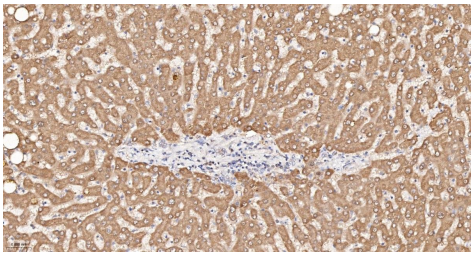


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

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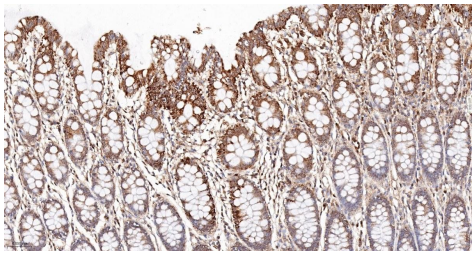


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

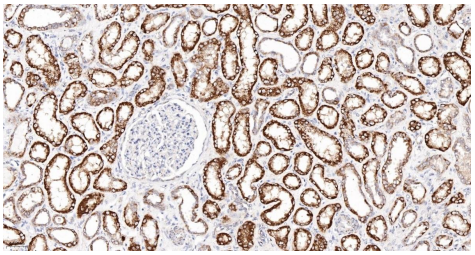


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

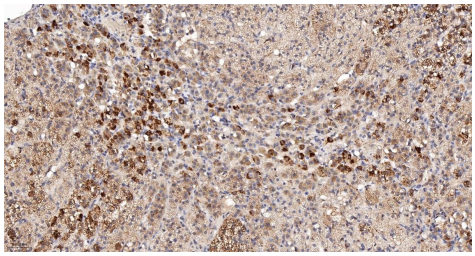


Figure 7. Paraformaldehyde-fixed, paraffin embedded Human Adrenal Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

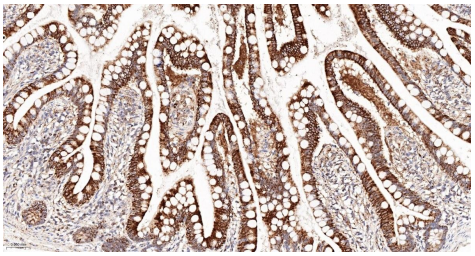


Figure 8. Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

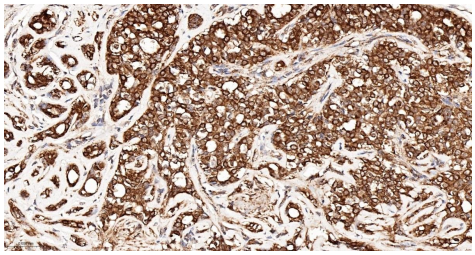


Figure 9. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with FH | Fumarase Monoclonal Antibody, Unconjugated (SLA0408M) at 1:200 overnight at 4°C, followed by incubation with SL40296G-HRP and DAB (C-0010) staining

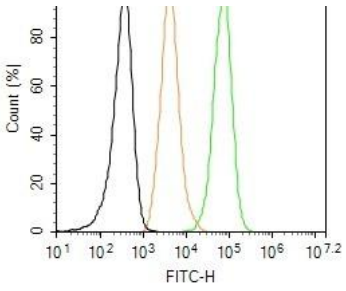


Figure 10. The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Cells stained with Primary Antibody for 30 min at room temperature,followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Mouse Anti-Fumarase/FH antibody (SLA0408M,1:100); Isotype Control (orange): Mouse IgG (SL0296P). Blank control (black): PBS. Acquisition of 20,000 events was performed
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