

**FH / Fumarase / MCL Antibody (aa89-365)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16204**

**Specification**

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**FH / Fumarase / MCL Antibody (aa89-365) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, ICC, IHC           |
| Primary Accession | <a href="#">P07954</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 55kDa KDa              |

**FH / Fumarase / MCL Antibody (aa89-365) - Additional Information**

**Gene ID** 2271

**Other Names**

Fumarate hydratase, mitochondrial, Fumarase, 4.2.1.2, FH

**Target/Specificity**

Human FH / Fumarase

**Reconstitution & Storage**

Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

**Precautions**

FH / Fumarase / MCL Antibody (aa89-365) is for research use only and not for use in diagnostic or therapeutic procedures.

**FH / Fumarase / MCL Antibody (aa89-365) - Protein Information**

**Name** FH {ECO:0000303|PubMed:27037871, ECO:0000312|HGNC:HGNC:3700}

**Function**

Catalyzes the reversible stereospecific interconversion of fumarate to L-malate (PubMed:<a href="http://www.uniprot.org/citations/30761759" target="\_blank">30761759</a>). Experiments in other species have demonstrated that specific isoforms of this protein act in defined pathways and favor one direction over the other (Probable).

**Cellular Location**

[Isoform Mitochondrial]: Mitochondrion

**Tissue Location**

Expressed in red blood cells; underexpressed in red blood cells (cytoplasm) of patients with hereditary non-spherocytic hemolytic anemia of unknown etiology.

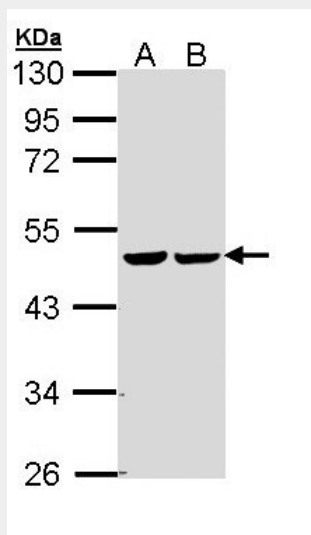
**Volume**  
50  $\mu$ l

### FH / Fumarase / MCL Antibody (aa89-365) - Protocols

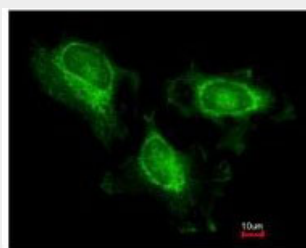
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

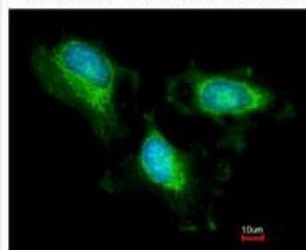
### FH / Fumarase / MCL Antibody (aa89-365) - Images



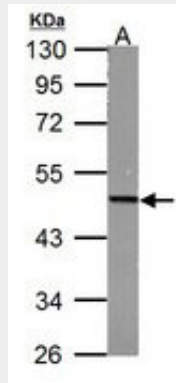
Sample (30  $\mu$ g of whole cell lysate).



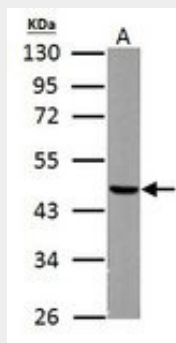
Costained with Hoechst 33342



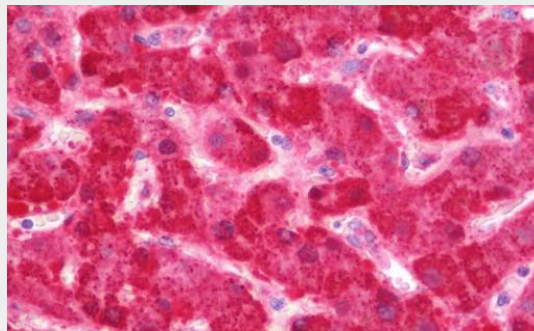
Immunofluorescence of methanol-fixed HeLa using Fumarate hydratase antibody at 1:200 dilution.



Fumarate hydratase antibody [N2C2], Internal detects FH protein by Western blot analysis.



Fumarate hydratase antibody [N2C2], Internal detects Fumarate hydratase protein by Western blot...



Anti-FH / Fumarase / MCL antibody IHC staining of human liver.

### **FH / Fumarase / MCL Antibody (aa89-365) - Background**

Also acts as a tumor suppressor.

### **FH / Fumarase / MCL Antibody (aa89-365) - References**

- Gellera C., et al. Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases.
- Bourgeron T., et al. Submitted (FEB-1996) to the EMBL/GenBank/DDBJ databases.
- Kalnine N., et al. Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.