

**FH / Fumarase / MCL Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS13701****Specification**

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**FH / Fumarase / MCL Antibody (Internal) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P07954</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Hamster, Monkey, Pig, Chicken, Sheep, Horse, Xenopus, Bovine, Dog, Drosophila
Host	Goat
Clonality	Polyclonal
Calculated MW	55kDa KDa

**FH / Fumarase / MCL Antibody (Internal) - Additional Information****Gene ID** 2271**Other Names**

Fumarate hydratase, mitochondrial, Fumarase, 4.2.1.2, FH

**Target/Specificity**

Human FH / Fumarate hydratase.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

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

**FH / Fumarase / MCL Antibody (Internal) - 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:&lt;a href="http://www.uniprot.org/citations/30761759" target="\_blank"&gt;30761759&lt;/a&gt;). 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.

## FH / Fumarase / MCL Antibody (Internal) - Protocols

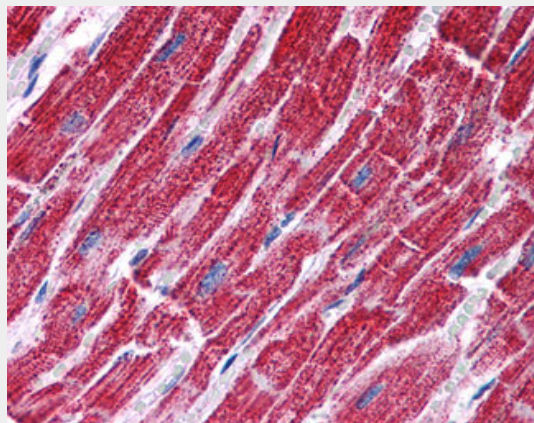
Provided below are standard protocols that you may find useful for product applications.

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

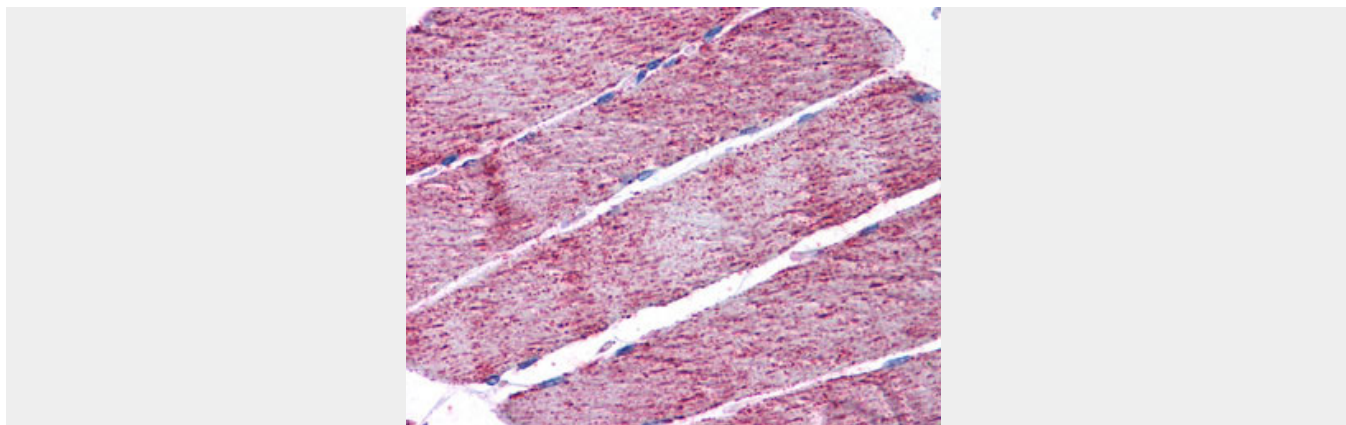
## FH / Fumarase / MCL Antibody (Internal) - Images



Antibody (0.01 ug/ml) staining of Human Kidney lysate (35 ug protein in RIPA buffer).



Anti-FH / Fumarase antibody IHC of human heart.



Anti-FH / Fumarase antibody IHC of human skeletal muscle.

### **FH / Fumarase / MCL Antibody (Internal) - Background**

Also acts as a tumor suppressor.

### **FH / Fumarase / MCL Antibody (Internal) - 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.