10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

FH Monoclonal Antibody(7F1)

Catalog # AP63327

Specification

FH Monoclonal Antibody(7F1) - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	P07954
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**

FH Monoclonal Antibody(7F1) - Additional Information

Gene ID 2271

Other Names
Fumarate hydratase, mitochondrial (Fumarase) (EC 4.2.1.2)

Dilution
WB~~WB: 1:3000 IF 1:200 IHC 1:50-300
IHC-P~~N/A
IF~~WB: 1:3000 IF 1:200 IHC 1:50-300

Format
PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions
-20℃

FH Monoclonal Antibody(7F1) - 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:30761759). 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.

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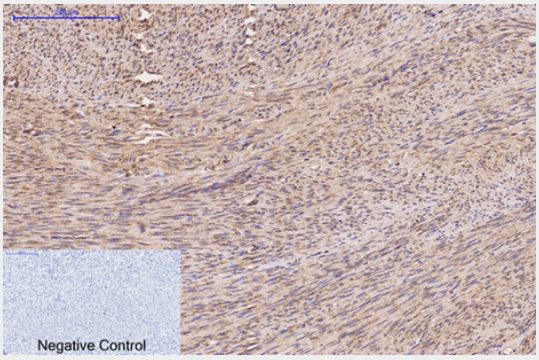
FH Monoclonal Antibody(7F1) - Protocols

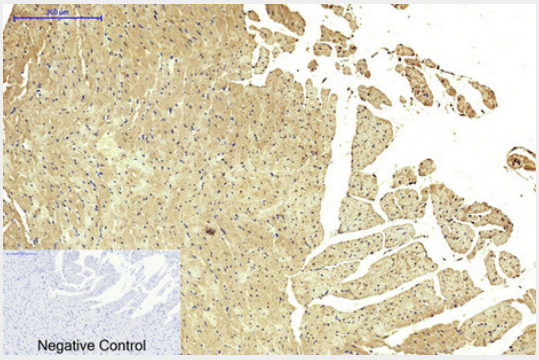
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FH Monoclonal Antibody(7F1) - Images



Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,FH Monoclonal Antibody(7F1) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,FH Monoclonal Antibody(7F1) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

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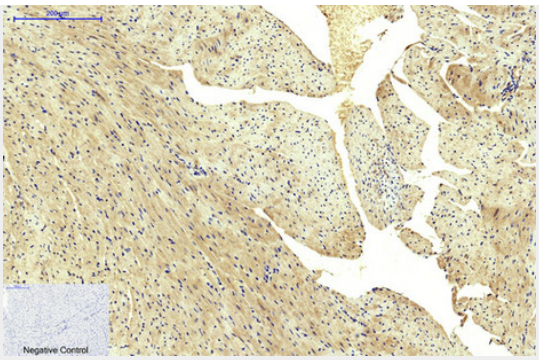
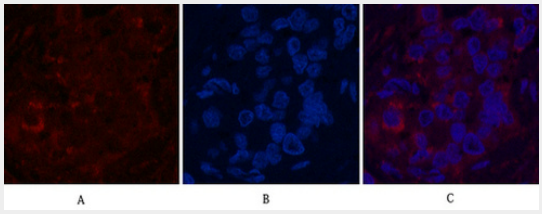
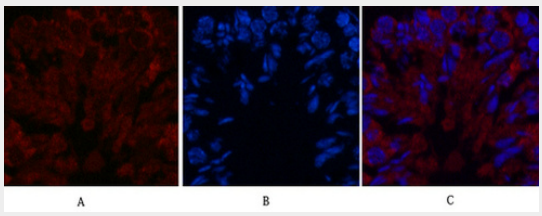


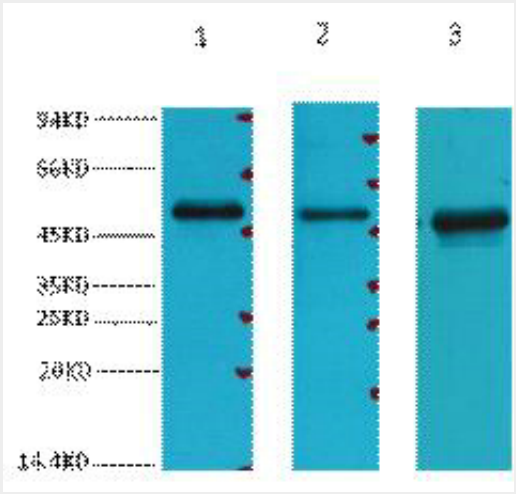
Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1,FH Monoclonal Antibody(7F1) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-liver-cancer tissue. 1,FH Monoclonal Antibody(7F1)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Mouse-testis tissue. 1,FH Monoclonal Antibody(7F1)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



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Western blot analysis of 1) 293T, 2) HepG2, 3) Hela, diluted at 1:3000.

FH Monoclonal Antibody(7F1) - Background

Also acts as a tumor suppressor.