

## FH/Fumarase Mouse Monoclonal Antibody(7F1)

Catalog TDY098C TDY098F

Tel: 010-82908854

Free: 400-0620-621

Quantity 50μL 100μL

Web: www.tdybio.com

**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IF	H, R, M	48KD	IgG1

**Storage Buffer & Condition:** PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

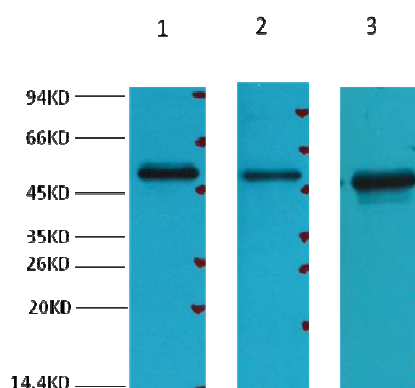
Store at **-20°C**. **Do not aliquot the antibody.**

**Recommended dilutions:** WB: 1:3,000 IF:1:100-200

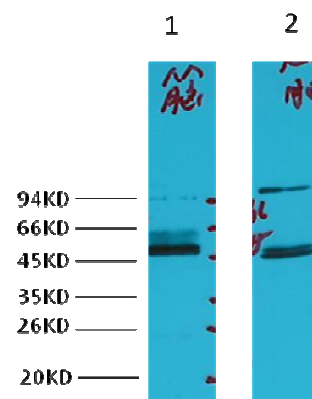
**Optimal dilutions should be determined by the end user.**

**Specificity:** FH Mouse Monoclonal antibody detects endogenous FH proteins.

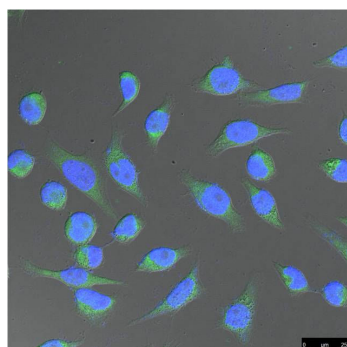
**Background:** Fumarase (FH) is an enzyme that catalyzes the reversible hydration/dehydration of fumarate to malate. Fumarase comes in two forms: mitochondrial and cytosolic. The mitochondrial isoenzyme is involved in the Krebs Cycle (also known as the Tricarboxylic Acid Cycle [TCA] or the Citric Acid Cycle), and the cytosolic isoenzyme is involved in the metabolism of amino acids and fumarate. Subcellular localization is established by the presence of a signal sequence on the amino terminus in the mitochondrial form, while subcellular localization in the cytosolic form is established by the absence of the signal sequence found in the mitochondrial variety.



Western blot analysis of 1) 293T, 2) HepG2, 3) HeLa, with FH Mouse mAb diluted at 1:3,000.



Western blot analysis of 1) Mouse Brain tissue, 2) Rat Brain tissue, with FH Mouse mAb diluted at 1:3,000.



IF analysis of HeLa with TDY098 diluted at 1:100.

Applications: WB-Western blot IHC-Immunocytochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chromatin Immunoprecipitation  
Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig