



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

E12-098

**Catalog Number:** E12-098**Amount:** 100µg/100µl**Clone Number:** 7F1

**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.

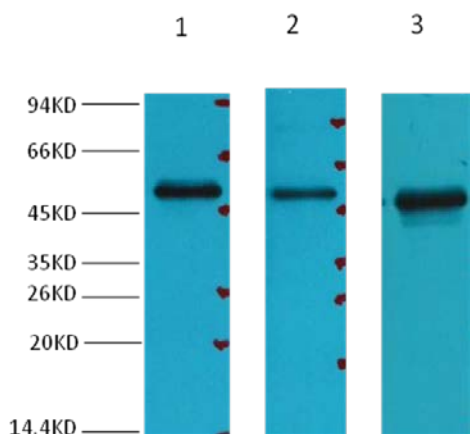
**Form of Antibody:** Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year. Do not aliquot the antibody.

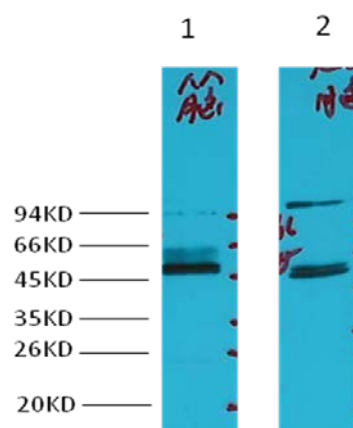
**Specificity/Sensitivity:** FH Mouse Monoclonal antibody detects endogenous 48KD FH proteins.

**Reactivity:** H, R, M

**Applications:** WB: 1:2,000-5,000



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.

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