

FH/Fumarase Mouse Monoclonal Antibody(2B11)

Catalog	TDY196C	TDY196F
Quantity	50 μ L	100 μ L

Tel: 010-82908854
Free: 400-0620-621
Web: www.tdybio.com

For research use only.

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

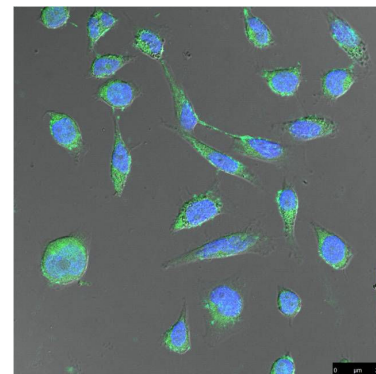
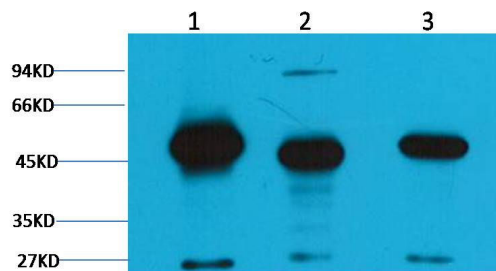
Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C**. **Do not aliquot the antibody.**

Recommended dilutions: WB: 1:1,000-3,000 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) HeLa, 2) Mouse Brain Tissue, 3) Rat Brain tissue IF analysis of HeLa with TDY196 diluted at 1:100.
with TDY196 diluted at 1:2,000.