FH Fumarase Mouse Monoclonal Antibody(7F1)

Catalog No.: RA10351

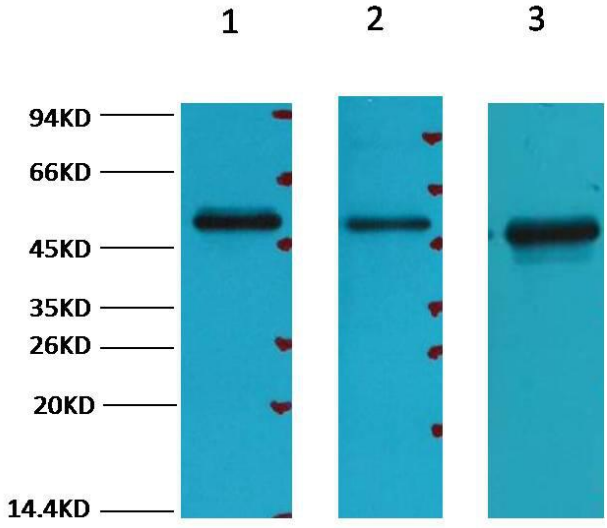
Basic Information

Information	
Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	50KD

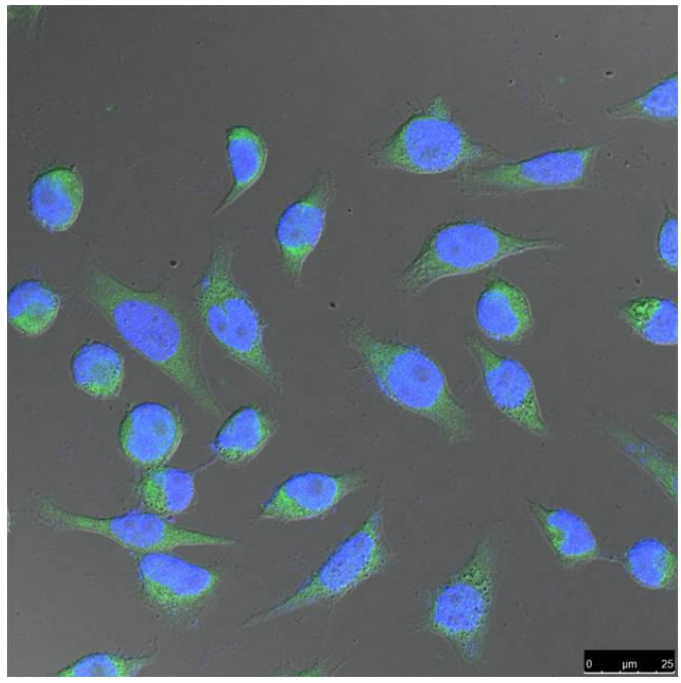
Applications	Recommended Dilution
WB	1:3,000
IF	1:100-200

Preparation & Storage	
Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental Data



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



IF analysis of Hela with FH Mouse mAb diluted at 1:100.

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.