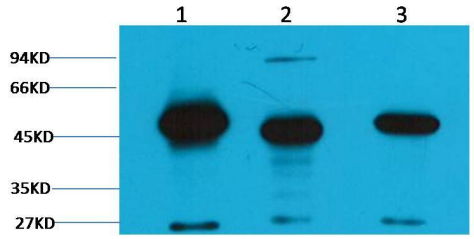
FH Fumarase Mouse Monoclonal Antibody(2B11)

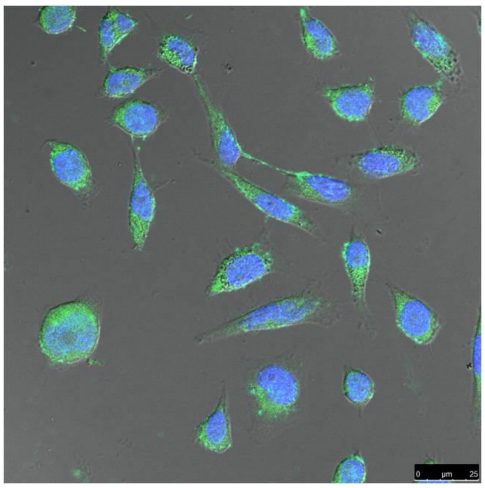
Catalog No： RA10005

Basic Information	
Host species	Mouse
Applications	WB, IF
Species Cross-Reactivity	H, R, M
Specificity	FH Mouse Monoclonal antibody detects endogenous FH proteins.
Recommended dilutions	WB: 1:1,000-3,000 IF:1:100-200 Optimal dilutions should be determined by the end user.
Applications	
Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal
Background	
Alternative Names	
Observed band	50
Human Gene ID	2271
Human Swiss-Prot Number	P07954
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.

Selected Validation Data



Western blot analysis of 1) Hela, 2)Mouse Brain Tissue , 3) Rat Brain tissue with FH Fumarase Mouse Monoclonal Antibody diluted at 1:2,000.



IF analysis of Hela with FH Fumarase Mouse Monoclonal Antibody diluted at 1:100.