

FH/Fumarase Mouse mAb

Cat No: HR1AM2184

For research use only

Overview

Product Name	FH/Fumarase Mouse mAb
Source	Mouse
Applications	WB, IF
Species Reactivity	Human,Rat,Mouse
Recommended Dilutions	WB 1:3,000 IF 1:100-200
Immunogen	
Species	Mouse
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	50kDa
GeneID?Human?	2271
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Fumarase, fumarate hydratase, HLRCC, LRCC, MCL, MCUL1
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.