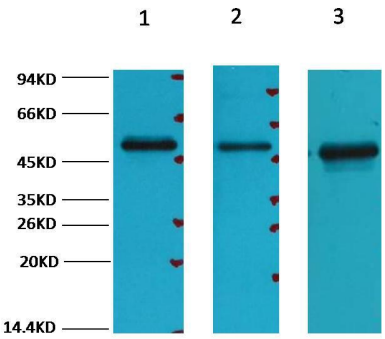
ELK Biotechnology

FH/Fumarase Mouse mAb
Catalog NO.: EM1073
For research use only.

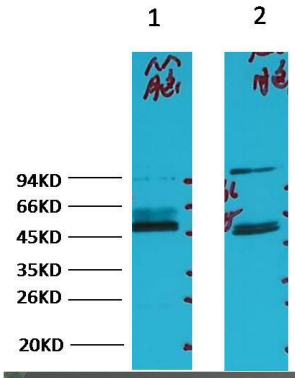
Overview

Product name	FH/Fumarase Mouse Monoclonal antibody
Source	Mouse
Applications	**WB IF**
Species reactivity	**Human Rat Mouse**
Recommended dilutions	**WesternBlot:1/3000** **Immunofluorescence:1/100-200** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Synthetic Peptide
Species	Human
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	1 mg/ml
Observed band	**50kDa**
GeneID（Human）	2271
Human Swiss-Prot No.	P07954
Cellular localization	Cytoplasm and Mitochondrion.
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

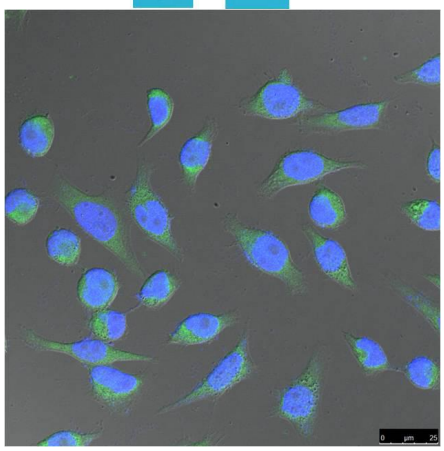
form while subcellular localization in the cytosolic form is established by the absence of the signal sequence found in the mitochondrial variety.



Western blot analysis of) 293T 2) HepG2 3) Hela with FH Mouse mAb diluted at:3000.



Western blot analysis of) Mouse Brain tissue 2) Rat Brain tissue with FH Mouse mAb diluted at:3000.



IF analysis of Hela with EM1073 diluted at:100.