

Fumarase Mouse Monoclonal Antibody(2B11)

Catalog No: #38094

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

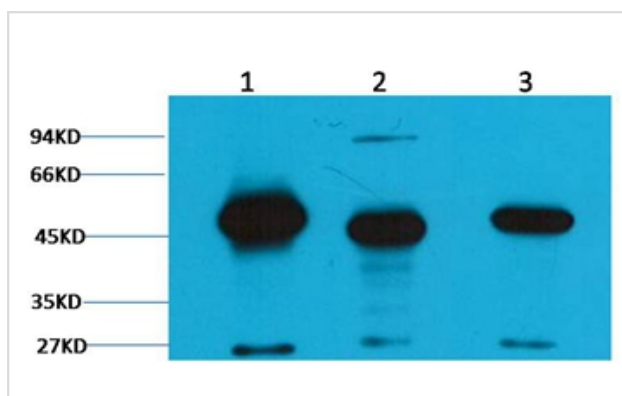
Description

Product Name	Fumarase Mouse Monoclonal Antibody(2B11)
Host Species	Mouse
Clonality	Monoclonal
Clone No.	2B11
Purification	Affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Hu Rt Ms
Specificity	FH Mouse Monoclonal antibody detects endogenous FH proteins.
Target Name	Fumarase
Other Names	FH; Fumarase; fumarate hydratase;
Accession No.	Swiss-Prot#:P07954
Uniprot	P07954
GeneID	2271;
SDS-PAGE MW	48kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:1000~1:3000

Images



Western blot analysis of 1) Hela, 2) Mouse Brain Tissue, 3) Rat Brain tissue, using #38094 diluted at 1:2,000.

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.

Note: This product is for in vitro research use only