

Cytokeratin 18 Mouse Monoclonal Antibody (1B3)

Catalog No: #38048

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Description

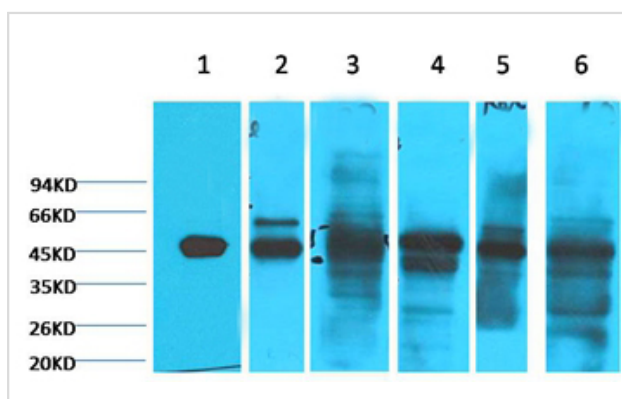
Product Name	Cytokeratin 18 Mouse Monoclonal Antibody (1B3)
Host Species	Mouse
Clonality	Monoclonal
Clone No.	1B3
Purification	Affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Hu Rt Ms
Specificity	Antibody detects endogenous Cytokeratin 18 protein.
Target Name	Cytokeratin 18
Other Names	CK-18; CYK18; cytokeratin 18; Cytokeratin-18; K18; K1C18; keratin 18; Keratin, type I cytoskeletal 18; Keratin-18; KRT18
Accession No.	Swiss-Prot#:P05783
Uniprot	P05783
GeneID	3875;
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

WB dilution: 1:1000~1:3000

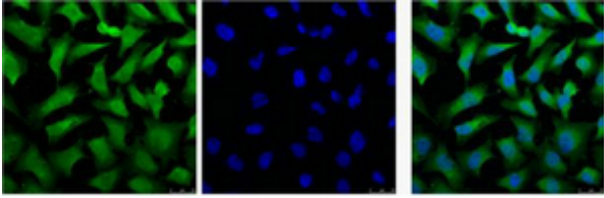
IF dilution:1:200

Images



Western blot analysis of 1) HepG2, 2) HeLa, 3) Mouse Liver tissue, 4) C2C12, 5) Rat Heart tissue, 6) Mouse Skeletal Muscle tissue, using #38048 diluted at 1:2000.

IF analysis of Hela, and DAPI (Right) diluted at 1:100.



Background

Keratin 18 is a type I cyokeratin. It is, together with its filament partner keratin 8, perhaps the most commonly found products of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. Keratin 18 is often used together with keratin 8 and keratin 19 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood.

Note: This product is for in vitro research use only