

ERK 3 Mouse mAb

CatalogNo: YM0246

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,FC,ELISA

MW

- 83kD (Calculated)

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

Flow Cyt 1:200-1:400

ELISA 1:10000

Not yet tested in other applications.

Basic Information

Clonality Monoclonal

Clone Number 5C4

Immunogen Information

Immunogen Purified recombinant fragment of human ERK 3 expressed in E. Coli.

Specificity ERK 3 Monoclonal Antibody detects endogenous levels of ERK 3 protein.

| Target Information

Gene name MAPK6

Protein Name Mitogen-activated protein kinase 6

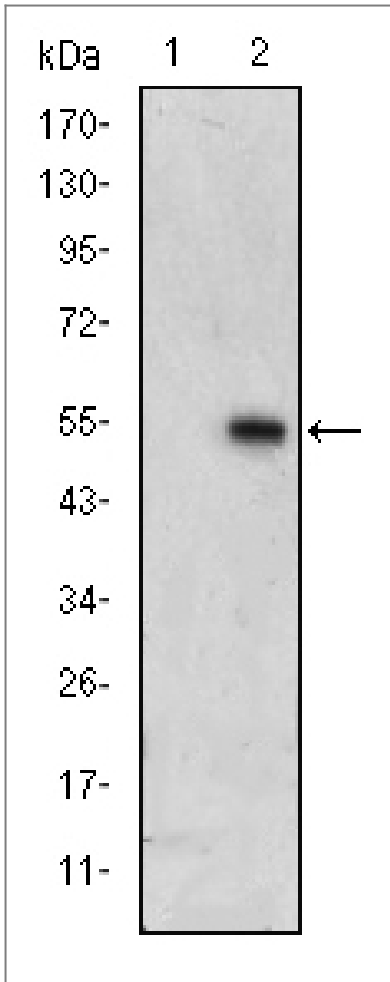
Organism	Gene ID	UniProt ID
Human	5597 ;	Q16659 ;

Cellular Localization Cytoplasm . Nucleus . Translocates to the cytoplasm following interaction with MAPKAPK5. .

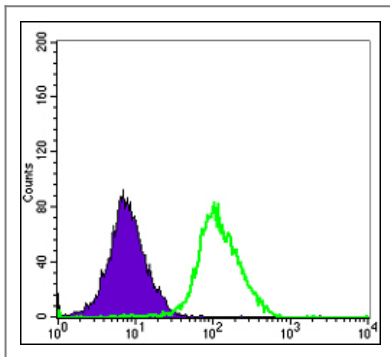
Tissue specificity Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,Domain:The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.,enzyme regulation:Activated by threonine and tyrosine phosphorylation.,Function:Phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle.,PTM:Dually phosphorylated on Thr-626 and Tyr-628, which activates the enzyme.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.,

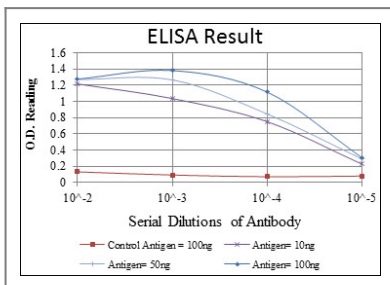
| Validation Data



Western Blot analysis using ERK 3 Monoclonal Antibody against HEK293 (1) and ERK3-hlgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HeLa cells using ERK 3 Monoclonal Antibody (green) and negative control (purple).



Contact information

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Please scan the QR code
to access additional
product information:
ERK 3 Mouse mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)