

### 39-1046: Anti-MAP Kinase, Activated (Diphosphorylated ERK-1&2) Monoclonal Antibody (Clone: MAPK-YT)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MAPK-YT
<b>Application :</b>	ICC,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	Mapk3
<b>Gene ID :</b>	50689
<b>Uniprot ID :</b>	P21708
<b>Alternative Name :</b>	Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; 2.7.11.24; ERT2; Extracellular signal-regulated kinase 1; ERK-1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44-MAPK; MNK1; Microtubule-associated protein 2 kinase; p44-ERK1; Mapk3; Erk1, Prkm3
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	A synthetic peptide containing 11 amino acids, HTGFLTpEYpVAT, corresponding to the phosphorylated form of ERK-activation loop conjugated to KLH.

#### Description

In mammalian cells, a variety of extracellular stimuli generate intracellular signals that converge on a limited number of so-called mitogen-activated protein(MAP) kinase pathways. The central core of each MAP kinase(MAPK) pathway is a conserved cascade of 3 protein kinases: an activated MAPK kinase kinase(MAPKKK) phosphorylates and activates a specific MAPK kinase(MAPKK), which then activates a specific MAPK. Mek1/2 MAPK kinases are essential for mammalian development, homeostasis, and Raf-induced hyperplasia. Germline mutations in genes within the MAPK pathway cause cardio-facio-cutaneous syndrome.

#### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

#### Application Note

Western blot : 0.25-0.5µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.4-1µg/ml; Immunocytochemistry : 1µg/ml