

## 32-5991: Mouse Anti Human Mitogen-Activated Protein Kinase 3(Clone: PAT1A2AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PAT1A2AT.
<b>Application :</b>	ELISA, WB, FACS
<b>Gene :</b>	MAPK3
<b>Gene ID :</b>	5595
<b>Uniprot ID :</b>	P27361
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Mitogen-activated protein kinase 3, EC 2.7.11.24, Extracellular signal-regulated kinase 1, ERK-1, Insulin-stimulated MAP2 kinase, MAP kinase 1, MAPK 1, p44-ERK1, ERK2, p44-MAPK, Microtubule-associated protein 2 kinase, ERK1, PRKM3, P44ERK1, P44MAPK,
<b>Isotype :</b>	Mouse IgG2b heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human MAPK3 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human MAPK3 amino acids 1-137 purified from E. coli.

### Description

Extracellular signal-regulated kinases (ERKs) or classical MAP kinases are widely expressed protein kinase intracellular signaling molecules which are involved in functions including the regulation of meiosis, mitosis, and postmitotic functions in differentiated cells. Many different stimuli, including growth factors, cytokines, virus infection, ligands for heterotrimeric G protein-coupled receptors, transforming agents, and carcinogens, activate the ERK pathway. The term, "extracellular signal-regulated kinases", is sometimes used as a synonym for mitogen-activated protein kinase (MAPK), but has more recently been adopted for a specific subset of the mammalian MAPK family. In the MAPK/ERK pathway, Ras activates c-Raf, followed by MEK and then MAPK1/2 (below). Ras is typically activated by growth hormones through receptor tyrosine kinases and GRB2/SOS, but may also receive other signals. ERKs are known to activate many transcription factors and some downstream protein kinases. Disruption of th

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	MAPK3 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

### Application Note

MAPK3 antibody has been tested by ELISA, Western blot, and Immunofluorescence to assure specificity and reactivity. Since vary, however, each investigation should be titrated by a reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:500.