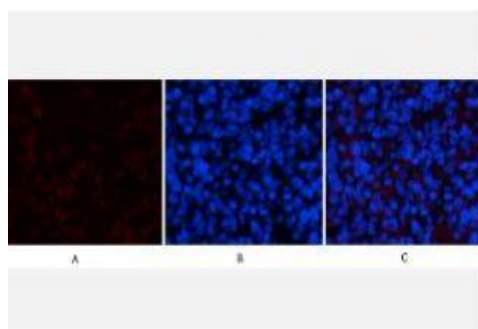


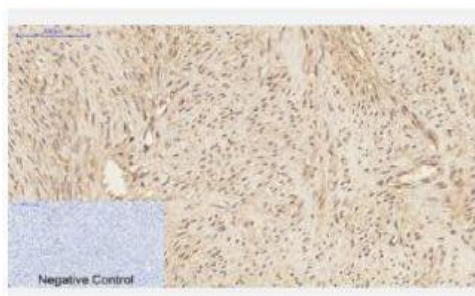
## ERK1 mouse Monoclonal Antibody(5E9)

<b>Catalog No.</b>	IMB0119
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	IF/ICC; IHC-p
<b>Gene Name</b>	MAPK3
<b>Protein Name</b>	MAPK3
<b>Human Gene Id</b>	5594
<b>Swiss-Prot</b>	P27361
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Dilution</b>	IF: 1:50-200 IHC: 1:100-200
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Concentration</b>	1 mg/ml
<b>Storage&amp;Stability</b>	-20°C/1 year
<b>Background</b>	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008],
<b>Subcellular Location.</b>	Cytoplasm. Nucleus. Membrane, caveola. Cell junction, focal adhesion. Autophosphorylation at Thr-207 promotes nuclear localization. PEA15-binding redirects the biological outcome of MAPK3 kinase-signaling by sequestering MAPK3 into the cytoplasm (By similarity).
<b>BiowMW</b>	-

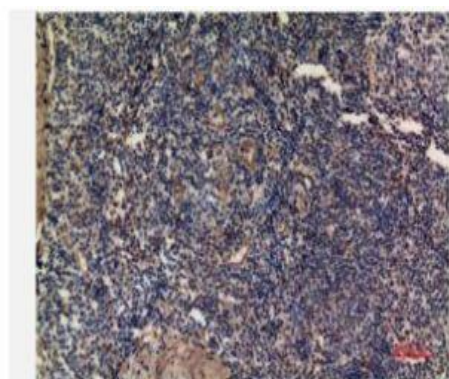
### Products Images:



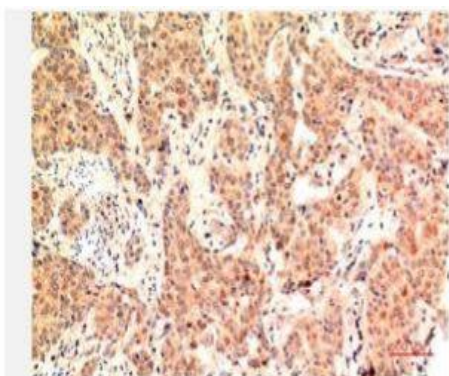
Immunofluorescence analysis of rat-spleen tissue. 1,ERK1 Mouse Monoclonal Antibody(5E9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,ERK1 Mouse Monoclonal Antibody(5E9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human Tonsil Tissue using ERK1 Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using ERK1 Mouse mAb diluted at 1:200.