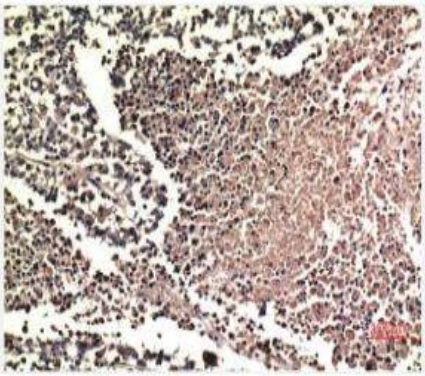
PRODUCT DATA SHEET

ERK1/2 mouse Monoclonal Antibody(1H4)

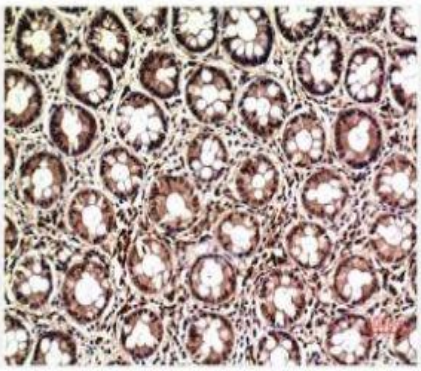
Catalog No.	IMB0024
Reactivity	Human;Rat;Mouse
Applications	WB; IHC-p;
Gene Name	MAPK1/MAPK3
Protein Name	MAPK1/MAPK3
Human Gene Id	5594/5595
Swiss-Prot	P27361/P28482
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Dilution	WB: 1:1000-2000 IHC: 1:100-200
PurIF:ication	The antibody was affinity-purIF:ied from mouse ascites by affinity-chromatography using specIF:ic immunogen.
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Background	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 prolIF:eration, dIF:ferentiation, 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 dIF:ferent protein isoforms have been described. [provided by RefSeq, Jul 2008],
Subcellular Location.	Cytoplasm. Nucleus. Membrane, caveola. Cell junction, focal adhesion. Autophosphorylation at Thr-207 promotes nuclear localization (PubMed:19060905). PEA15-binding redirects the biological outcome of MAPK3 kinase-signaling by sequestering MAPK3 into the cytoplasm (By similarity).
BiowMW	-

Products Images:

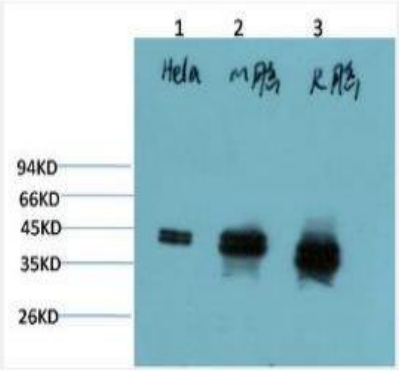
PRODUCT DATA SHEET



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using ERK1/2 Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Colon Carcinoma Tissue using ERK1/2 Mouse mAb diluted at 1:200.



Western blot analysis of 1) Hela Cell Lysate, 2)Mouse Brain Tissue Lysate, 3) Rat Brain Tissue Lysate using ERK1/2 Mouse mAb diluted at 1:2000.