PRODUCT DATA SHEET

ERK1 mouse Monoclonal Antibody(4G11)

Catalog No.	IMB0118
Reactivity	Human;Rat;Mouse
Applications	IHC-p;
Gene Name	MAPK3
Protein Name	MAPK3
Human Gene Id	5594
Swiss-Prot	P27361
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Dilution	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. PEA15-binding redirects the biological outcome of MAPK3 kinase-signaling by sequestering MAPK3 into the cytoplasm (By similarity).
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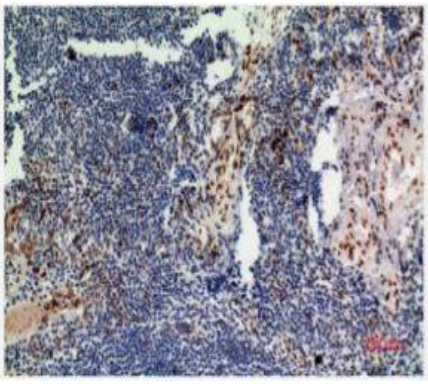
Products Images:



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

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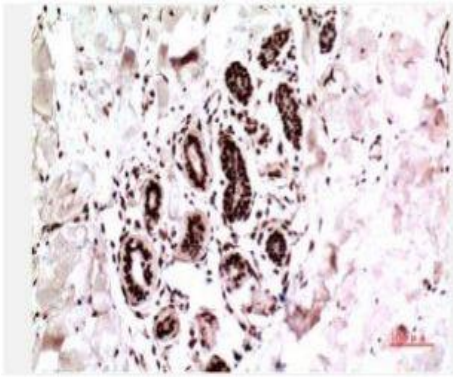

Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using ERK1 Mouse mAb diluted at 1:200.