Anti-Phospho-ERK1/2 (Tyr222/Tyr205) Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M010247

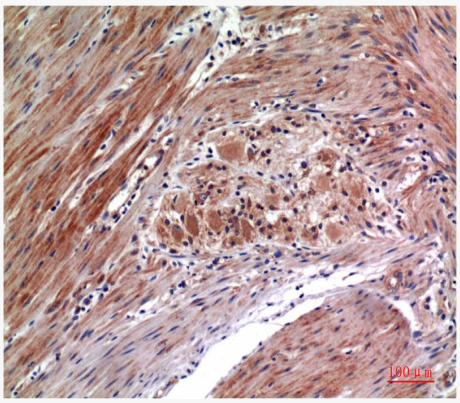
Product Information

Application	IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat, Mouse (Cell)
Dilution	IHC-P 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	53M93L10
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-ERK1/2 (Tyr222/Tyr205) antibody [53M93L10] is for research use only and not for use in diagnostic or therapeutic procedures.

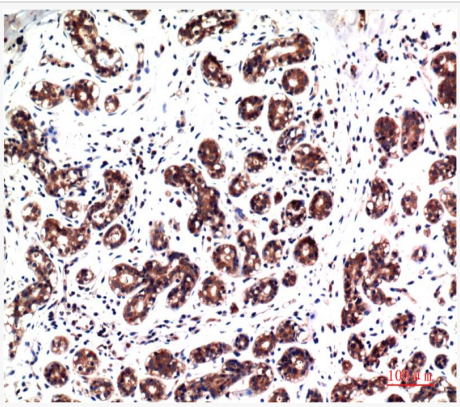
Protein Information

Synonyms	MAPK1/MAPK3.
Uniprot ID	P27361, P28482
Gene ID	5595/5594
Background	Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements.

Validation Images



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using Phospho-ERK1/2 (Tyr222/Tyr205) antibody [53M93L10]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using Phospho-ERK1/2 (Tyr222/Tyr205) antibody [53M93L10]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.