

**Product Name: Phospho-ERK1/2 (Tyr222/Tyr205) (10C8)  
Mouse Monoclonal Antibody  
Catalog #: AMM00764**

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## Summary

|                        |   |
|------------------------|---|
| <b>Production Name</b> | Phospho-ERK1/2 (Tyr222/Tyr205) (10C8) Mouse Monoclonal Antibody |
| <b>Description</b>     | Primary antibody  |
| <b>Host</b>            | Mouse   |
| <b>Application</b>     | IHC-P   |
| <b>Reactivity</b>      | Human,Rat,Mouse   |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Phosphorylated   |
| <b>Isotype</b>      | IgG1   |
| <b>Clonality</b>    | Monoclonal Antibody  |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.          |
| <b>Purification</b> | Affinity Purified  |

## Immunogen

|                          |               |
|--------------------------|---------------|
| <b>Gene Name</b>         | MAPK1/MAPK3   |
| <b>Alternative Names</b> | MAPK1/MAPK3   |
| <b>Gene ID</b>           | 5595/5594     |
| <b>SwissProt ID</b>      | P27361/P28482 |

## Application

|                         |                 |
|-------------------------|-----------------|
| <b>Dilution Ratio</b>   | IHC: 1/50-1/100 |
| <b>Molecular Weight</b> | -               |

## Background

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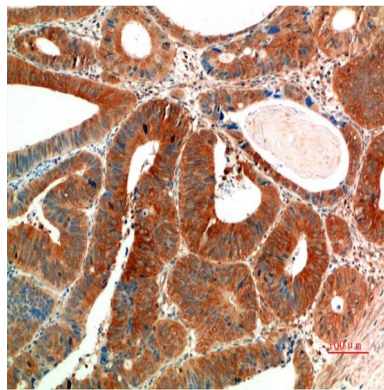
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Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade 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.

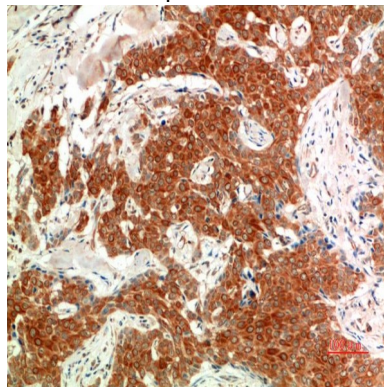
## Research Area

Cell Biology

## Image Data



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using Phospho-ERK1/2 (Tyr222/Tyr205) (10C8) antibody. 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) (10C8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.