

## ERK1 mouse Monoclonal Antibody(5E9)

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0511
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Recombinant Protein of ERK1 of MAPK3
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human,Rat,Mouse
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IF, ICC, IHC-p
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MAPK3
<b>Synonyms</b>	MAPK3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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 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.

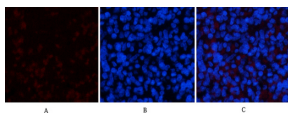
### Recommended Dilution

IF: 1:50-200

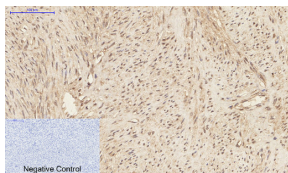
IHC: 1:100-200

Not yet tested in other applications.

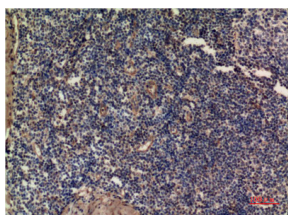
### Images



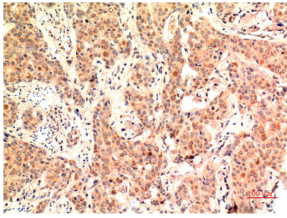
Immunofluorescence analysis of rat-spleen tissue. 1.ERK1 Mouse Monoclonal antibody(5E9)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



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 Monoclonal antibody diluted at 1:200.



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

### Storage

-20°C for one year

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