

## ERK 1 Monoclonal Antibody

**catalog number:** E-AB-22245

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

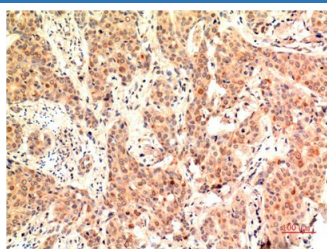
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Protein of ERK1 of MAPK3
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	5E9
<b>Purification</b>	Protein A purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

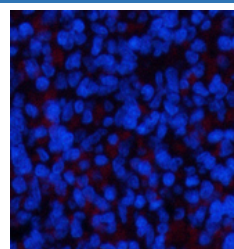
### Applications Recommended Dilution

<b>IHC</b>	1:100-200
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### Data



Immunohistochemistry of paraffin-embedded Human breast carcinoma tissue using ERK 1 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Rat spleen tissue using ERK 1 Monoclonal Antibody at dilution of 1:200.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4).

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