

## Recombinant ERK1/2 Monoclonal Antibody

catalog number: **AN300857L**

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

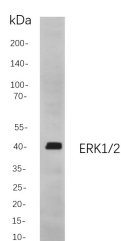
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human ERK1/2 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	7B3
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

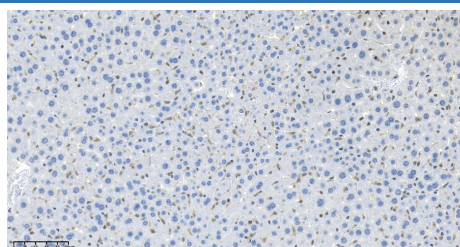
Applications	Recommended Dilution
IHC	1:2000-1:10000
WB	1:2000-1:10000

### Data



Western Blot with Recombinant ERK1/2 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: 3T3-L1 cells.

**Observed-MW:43 kDa,41 kDa**  
**Calculated-MW:43 kDa,41 kDa**



Immunohistochemistry of paraffin-embedded mouse liver using Recombinant ERK1/2 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>	Ice bag

### 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.

### For Research Use Only

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