

## MAPK3 Monoclonal Antibody

<b>Catalog No</b>	A0025	<b>Category</b>	Monoclonal Antibodies
<b>Applications</b>	WB	<b>Observed MW</b>	45kDa
<b>Cross-Reactivity</b>	Human,Mouse	<b>Calculated MW</b>	38kDa/40kDa/43kDa

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide of human MAPK3
<b>Gene ID</b>	5595
<b>Swiss Prot</b>	P27361
<b>Synonyms</b>	ERK-1,ERK1,ERT2,HS44KDAP,HUMKER1A,p44-ERK1,p44-MAPK,P44ERK1,P44MAPK,PRKM3

### Product information

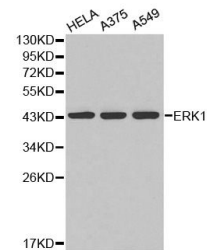
<b>Source</b>	Mouse
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Storage</b>	Store at 4°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, pH7.3.

### 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 Dilutions

WB 1:500 - 1:1000



Western blot analysis of extracts of various cell lines, using MAPK3 antibody (A0025).  
 Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
 Lysates/proteins: 25ug per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.