

## ERK 3 protein

CatalogNo: YD0029

### | Key Features

#### Reactivity

- Human

#### Applications

- WB,SDS-PAGE

### | Recommended Dilution Ratios

WB 1:500-2000

### | Storage

**Storage\*** -20°C/6 month,-80°C for long storage

**Formulation** Liquid in PBS

### | Basic Information

**Source** E.coli

**Purification** E.coli

**Purity** SDS-PAGE >90%

### | Immunogen Information

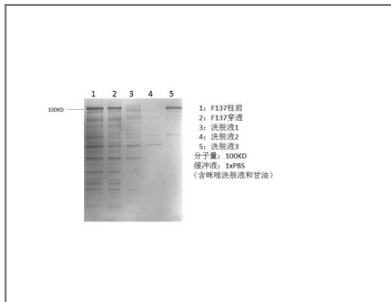
**Sequence** Amino acid: 299-526, with his-MBP tag.

### | Target Information

**Gene name** MAPK6

<b>Protein Name</b>	ERK3 protein		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">5597;</a>	<a href="#">Q16659;</a>
<b>Cellular Localization</b>	Cytoplasm . Nucleus . Translocates to the cytoplasm following interaction with MAPKAPK5. .		
<b>Tissue specificity</b>	Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.		
<b>Function</b>	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,Domain:The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.,enzyme regulation:Activated by threonine and tyrosine phosphorylation.,Function:Phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle.,PTM:Dually phosphorylated on Thr-626 and Tyr-628, which activates the enzyme.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.,		

## Validation Data



## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
 Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
 Telephone: 877-594-3616 (Toll Free), 408-747-0185  
 Website: <http://www.immunoway.com>  
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
 to access additional  
 product information:  
**ERK 3 protein**