

## Product datasheet for **AM06607SU-N**

### MAPK6 Mouse Monoclonal Antibody [Clone ID: 4E8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4E8
Applications:	ELISA, FC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Flow Cytometry:</b> 1/200 - 1/400.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human ERK3 expressed in E. Coli.
Specificity:	This antibody recognizes ERK3
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	105 kDa
Gene Name:	mitogen-activated protein kinase 6
Database Link:	<a href="#">Entrez Gene 5597 Human</a> <a href="#">Q16659</a>



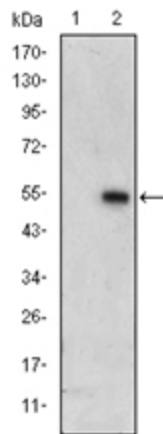
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**Background:**

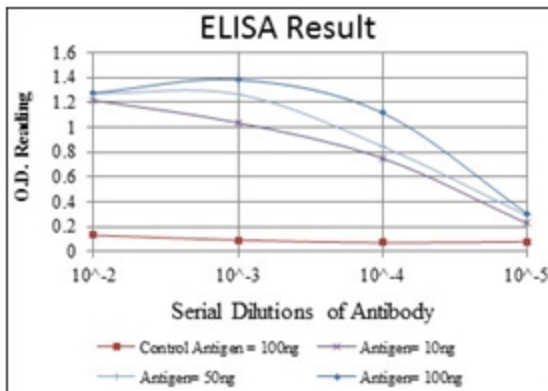
The protein encoded by this gene is a member of the Ser/Thr protein kinase family, and is most closely related to mitogen-activated protein kinases (MAP kinases). MAP kinases also known as extracellular signal-regulated kinases (ERKs), are activated through protein phosphorylation cascades and act as integration points for multiple biochemical signals. This kinase is localized in the nucleus, and has been reported to be activated in fibroblasts upon treatment with serum or phorbol esters. (provided by RefSeq) Tissue specificity: Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts

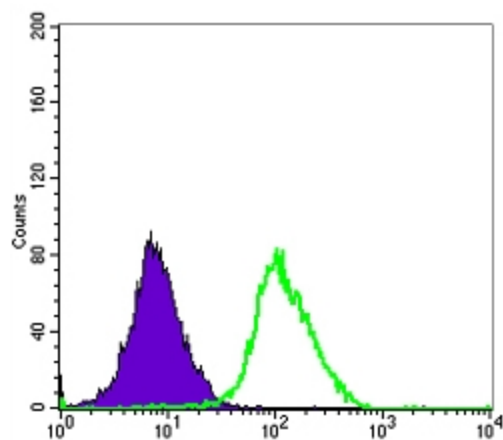
**Synonyms:**

Mitogen-activated protein kinase 6, MAP kinase isoform p97, p97-MAPK

**Product images:**


Western blot analysis using ERK3 antibody Cat.-No AM06607SU-N against HEK293 (Lane 1) and ERK3 (AA: 347-582)-hIgGFc transfected HEK293 (Lane 2) cell lysate.





Flow Cytometric analysis of HeLa cells using ERK3 antibody AM06607SU-N (green) and negative control (purple).