



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to ERK3

**Catalog Number:** MAB-606030194

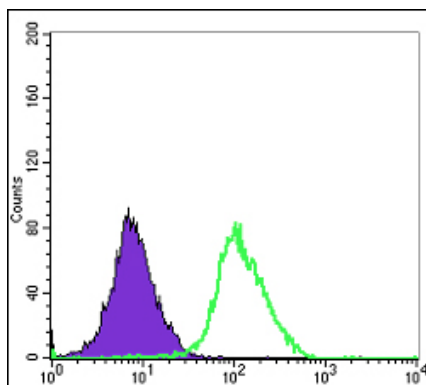
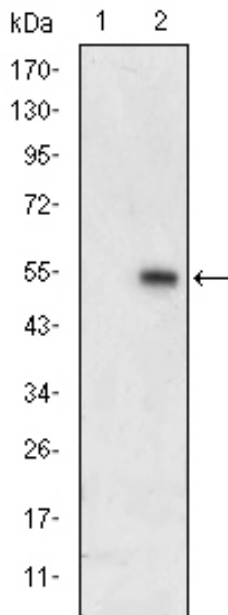


Figure 2: Flow cytometric analysis of Hela cells using ERK3 mouse mAb (green) and negative control (purple).

Lot#:  
Clone#: 4E8  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 105kDa  
Aliases: ERK3; PRKM6;  
p97MAPK; HsT17250;  
DKFZp686F03189; MAPK6  
Entrez Gene: 5597  
Species reactivity: Human

Figure 1: western blot analysis using ERK3 mAb against HEK293 (1) and ERK3-hIgGfC transfected HEK293 (2) cell lysate.

**Description** 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

**Immunogen** Purified recombinant fragment of human ERK3 expressed in E. Coli.

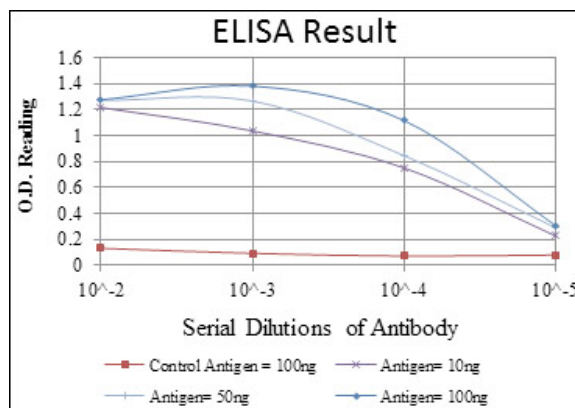
**Application** Western Blotting: 1/500 - 1/2000.  
Flow cytometry: 1/200 - 1/400.  
ELISA: Propose dilution 1/10000.  
Not yet tested in other applications.  
Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

**Related product**

**References** 1. J Cell Physiol. 2008 Dec;217(3):778-88.  
2. Proc Natl Acad Sci U S A. 2009 Sep 29;106(39):16710-5.



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