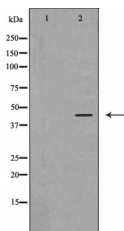


## ERK1 Ab

[Images\(1\)](#)

Cat.#: DF6031	Concn.: ~1mg/ml	Mol.Wt.: 43kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human, Mouse, Rat	
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human ERK1, corresponding to a region within the internal amino acids.	
Uniprot:	P27361	
Description:	Erk3, also known as MAPK6 or p97 MAPK, is almost 50% identical to Erk1/2 at the kinase domain located in its amino-terminal region . However, Erk3 is distinguished from other MAP kinases in that it lacks the conserved TXY motif in its activation loop, possessing instead an SEG motif (1,2). Phosphorylation at Ser189 in the SEG motif has been reported (2,3). With limited information about its upstream kinases and downstream substrates, the significance of this phosphorylation remains to be elucidated (3,4). Erk3 is an inherently unstable protein, rapidly degraded through amino-terminal ubiquitination and proteasome degradation (3,5).	



Western blot analysis of NIH-3T3 cell lysates, using MAPK3 Ab. The lane on the left was treated with the antigen-specific peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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