

Product Data Sheet

Purified anti-ERK1/2 Phospho (Thr202/Tyr204)

Catalog # / Size: 647801 / 50 µl

Clone: Poly6478

Isotype: Rabbit polyclonal

Immunogen: Phosphorylated Erk1/2 peptide

Reactivity: Human, **Cross-Reactivity:** Predicted to react with Mouse, Rat (by sequence comparison)

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20 °C.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, the suggested use of this reagent is 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: ERK1/2 are members of mitogen-activated kinases (MAPKs) of serine/threonine protein kinases. They are involved in many cellular events such as proliferation, differentiation, motility and cell death. ERK 1/2 can be activated by a range of extracellular stimuli, such as mitogen, growth factors, and cytokines. Once activated, the ERKs will in turn phosphorylate many other downstream molecules that are involved in a range of cell activities.

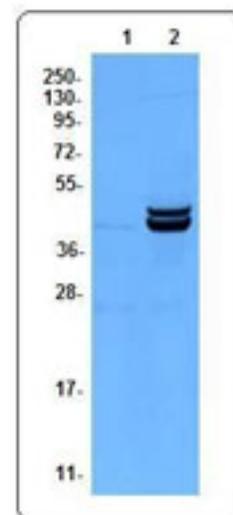
Antigen References:

1. Roux PP, *et al.* 2004. *Microbiol Mol Biol Rev* 68:320
2. Clark EA, *et al.* 1996 *J. Biol. Chem.* 271:14814
3. Dalby KN, *et al.* *J. Biol. Chem.* 273:1496

Related Products: **Product**
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



Untreated (1) and PMA-treated (2) Jurkat whole cell lysates were resolved by electrophoresis, transferred to nitrocellulose and probed with anti-ERK Phosphorylated antibody, Poly6478. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



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