

Erk 1/2 (Phospho Thr202/Tyr204) (AB2106) Rabbit mAb

M3439

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IF, IP, ELISA

MW

- 0 kDa (calculated)
- 44, 42 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IF, IP, ELISA

Dilution

WB, 1:2000-1:10000 | IF, 1:200-1:1000 | IP, 0.5 µg-4 µg antibody for 200 µg-400 µg extracts of whole cells. | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB2106

Immunogen Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Specificity The antibody detects endogenous levels of p44 and p42 MAP Kinase (Erk1 and Erk2) when dually phosphorylated at Thr202 and Tyr204 of Erk1 (Thr185 and Tyr187 of Erk2), and singly phosphorylated at Thr202.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name MAPK1/MAPK3

Protein Name Erk 1/2 (Phospho Thr202/Tyr204)

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P27361; P28482	0

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008],