



Affinity-Purified Rabbit Anti-phospho-ERK1 (T202) Antibody

Specificity: Human phospho-ERK1 (T202)	Size: 0.1 mg
Source: Rabbit	IgG Type: rabbit IgG

Background:

Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2.

Other Name: Extracellular signal-regulated kinase 1

Specificity:

Human: Positive

Application : For western blot analysis, an antibody concentration of 1 µg/ml is recommended

ELISA	Positive
Western blotting	Positive 1 mg/ml
Immunohistochemistry	Positive
Immunoprecipitation	Positive
Flow cytometry	Positive

Isotype: Rabbit IgG

Description: This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding the phosphorylation sites.

Storage: Upon reconstitution, maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C to -70°C. Lyophilized samples are stable for twelve months from the date of receipt when stored at -20°C to -70°C

Format: Purified rabbit monoclonal antibody supplied in PBS with 0.02% (W/V) sodium azide. This antibody is first purified by protein G affinity chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low salt and neutralized immediately, followed by dialysis against PBS.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

References:

1. [McPhee D.A.](#); "Human immunodeficiency virus type 1 Nef binds directly to LCK and mitogen-activated protein kinase, inhibiting kinase activity."; [J. Virol. 70:6701-6708\(1996\).](#)
2. [Davis R.J.](#); "Heterogeneous expression of four MAP kinase isoforms in human tissues."; [FEBS Lett. 304:170-178\(1992\).](#)
3. [Mordret G.](#); "Molecular cloning, expression, and characterization of the human mitogen-activated protein kinase p44erk1."; [Mol. Cell. Biol. 13:4679-4690\(1993\).](#)