IMMUNOLOGICAL SCIENCES Product Data Sheet

ABP11212 **Phospho- ERK 1/2 (Thr202/Y204) Rabbit Polyclonal Antibody**

Size: 100 ug

Concentration: 1mg/ml

Source: Rabbit

Isotype: IgG

Reactivity: Human, Mouse, Rat

Immunogen: Synthesized phospho- peptide around the phosphorylation site of human ERK 1/2 (phospho Thr202/Y204)

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
The protein abundance of platelets is not very high. It is recommended that you improve the relevant reaction conditions: incubate the primary antibody overnight, and replace the blocking solution and antibody diluent with 5% BSA for the experiment.

Purification: The antibody was affinity- purified from rabbit antiserum by affinity- chromatography using epitope- specific immunogen.

Synonyms: MAPK3; ERK1; PRKM3; Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; ERT2; Extracellular signal-regulated kinase 1; ERK- 1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44- MAPK; Microtubule-associated protein 2 kinase;

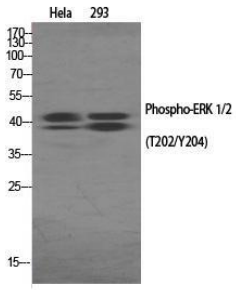
Background: mitogen-activated protein kinase 3(MAPK3) Homo sapiens The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal- regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, 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.

Observed MW: 44+42 kDa

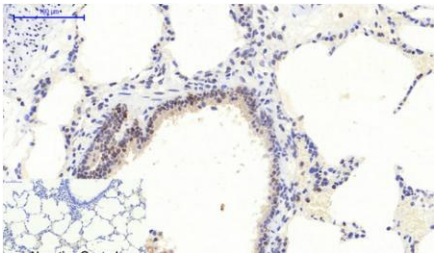
Applications:

Western Blot:	1: 500 – 1:2000
Immunofluorescence:	1:50-1:200
Immunohistochemistry:	1:100 – 1:300
ELISA:	1:20000

Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.



Western Blot analysis of various cells using Phospho-ERK 1/2 (T202/Y204) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue.
1, ERK 1/2 (phospho Thr202/Y204) Polyclonal Antibody was diluted at 1:200 (4°C,overnight).
2, Sodium citrate pH 6.0 was used for antibody retrieval(>98° C,20min).
3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min).
Negative control was used by secondary antibody only.

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Web-site: www.immunologicalsciences.com - E-Mail: info@immunologicalsciences.com