Anti-p-ERK1/2 (Thr202/Tyr204) Rabbit pAb

WLP1512

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-p-ERK1/2 (Thr202/Tyr204) Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Western blot 1:300 Immunohistochemistry 1:100-1:300
	**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*
Molecular Wt.	42/44 kDa
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. **Avoid freeze/thaw cycles.**
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

Extracellular signal-regulated kinases Erk1 (p44 MAPK) and Erk2 (p42 MAPK) Serine/Threonine protein kinase are part of a subfamily of mitogen-activated protein kinases. The p44/42 MAPK (Erk1/2) signaling pathway can be activated in response to a diverse range of extracellular stimuli including mitogens, growth factors and cytokines. Upon stimulation, a sequential three-part protein kinase cascade is initiated consisting of a MAP kinase kinase kinase (MAPKKK or MAP3K), a MAP kinase kinase (MAPKK or MAP2K) and a MAP kinase (MAPK). Phospho-ERK1/2 is negatively regulated by a family of dual-specificity (Thr/Tyr) MAPK phosphatases, known as DUSPs or MKPs (10), along with MEK inhibitors such as U0126 and PD98059.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of p-ERK1/2 (Thr202/Tyr204).

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

Pruduct Datasheet

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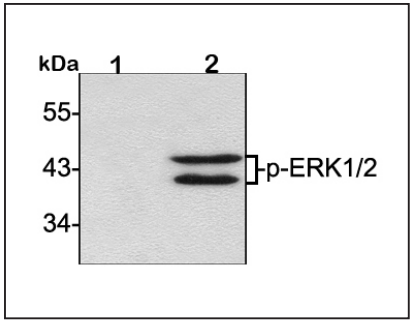
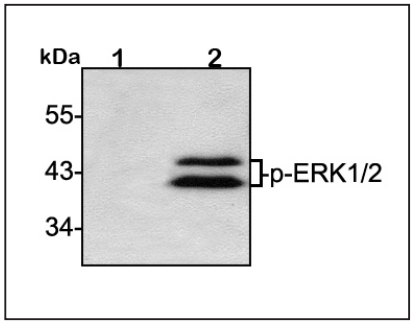
Product Images



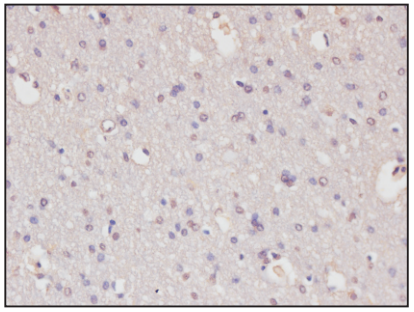
Western blot-Anti-p-ERK1/2 (Thr202/Tyr204) pAb

Lane 1: Human Hela cell treated with serum starvatoion
Lane 2: Human Hela cell treated with TPA
Separation gel: 11% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:300 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Western blot-Anti-p-ERK1/2 (Thr202/Tyr204) pAb

Lane 1: Rat brain tissue lysate 30μg
Lane 2: Rat brain tissue treated with LPS lysate 30μg
Separation gel: 11% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:300 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Immunohistochemistry-Anti-p-ERK1/2 (Thr202/Tyr204) pAb

Sample: Human glioma tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:100, 4°C, overnignt
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB

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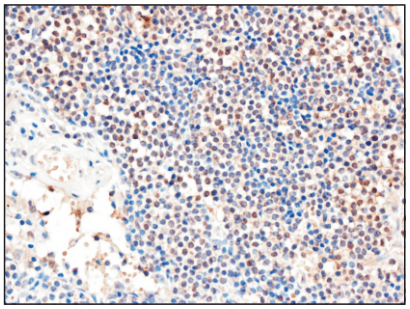
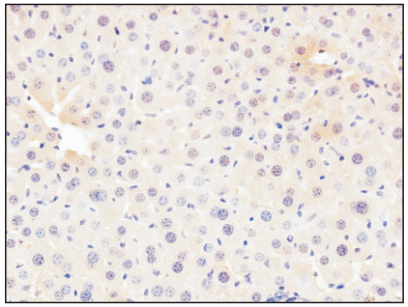


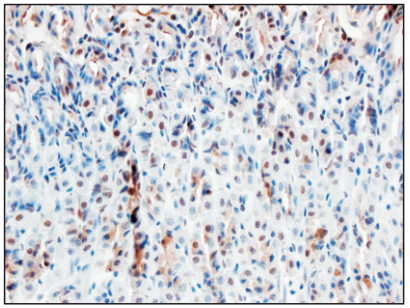
Immunohistochemistry-Anti-p-ERK1/2 (Thr202/Tyr204) pAb

Sample: Human lymph node tissue
Antigen retrieval: pH 6.0 citrate buffer
Primary antibody: 1:300, 4°C, overnignt
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-p-ERK1/2 (Thr202/Tyr204) pAb

Sample: Mouse liver tissue
Antigen retrieval: Proteinase K
Primary antibody: 1:100, 4°C, overnignt
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-p-ERK1/2 (Thr202/Tyr204) pAb

Sample: Mouse stomach tissue
Antigen retrieval: pH 6.0 citrate buffer
Primary antibody: 1:200, 4°C, overnignt
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB