

**Anti-Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # AP53444****Specification****Anti-Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody - Product Information**

Application	WB
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Immunogen	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) synthetic peptide conjugated to KLH.
Purification	Ammonium sulfate precipitation
Calculated MW	44/42 KDa

**Anti-Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody - Additional Information****Other Names**

ERK 1;ERK 2;ERK-2;ERK1;erk1/2;ERK2;ERT1;ERT2;Extracellular signal regulated kinase 1;Extracellular signal regulated kinase 1;Extracellular signal regulated kinase 2;Extracellular signal regulated kinase 2;Extracellular signal-regulated kinase 2;HS44KDAP;HUMKER1A;Insulin stimulated MAP2 kinase;MAP kinase 1;MAP kinase 2;MAP kinase isoform p42;MAP kinase isoform p44;MAPK 1;MAPK 2;MAPK 3;MAPK 3;MAPK1;MAPK2;MAPK3;MGC20180;Microtubule associated protein 2 kinase;Mitogen activated protein kinase 1;Mitogen activated protein kinase 1;Mitogen activated protein kinase 2;Mitogen activated protein kinase 3;Mitogen activated protein kinase 3;Mitogen-activated protein kinase 1;Mitogen-activated protein kinase 2;MK01\_HUMAN;p38;p40;p41;p41mapk;p42 MAPK;p42-MAPK;p42MAPK;p42MAPK;p44 ERK1;p44 MAPK;p44ERK1;p44ERK1;p44MAPK;p44MAPK;PRKM 1;PRKM 1;PRKM 2;PRKM 2;PRKM 3;PRKM 3;PRKM1;PRKM2;PRKM3;Protein kinase mitogen activated 1;Protein kinase mitogen activated 1;Protein kinase mitogen activated 2;Protein kinase mitogen activated 2;Protein kinase mitogen activated 3;Protein kinase mitogen activated 3;Protein tyrosine kinase ERK 2;Protein tyrosine kinase ERK 2.

**Dilution**

WB~~1:500

**Format**

PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

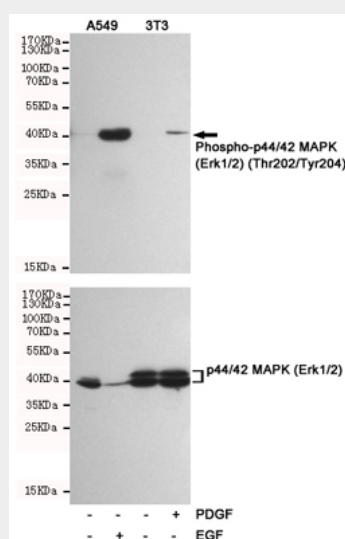
**Anti-Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody - Protein Information**

## Anti-Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody - Images



Western blot analysis of Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) from EGF-treated A549 cells and PDGF-treated NIH/3T3 cells, using Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Mouse mAb (1:500 diluted, upper) and p44/42 MAPK (Erk1/2) Mouse mAb (1:500 diluted, lower).

## Anti-Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Antibody - 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 ELK1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosp