

**Anti-ERK1/2 (pY204) Antibody**  
**Rabbit polyclonal antibody to ERK1/2 (pY204)**  
**Catalog # AP61175**

---

**Specification**

**Anti-ERK1/2 (pY204) Antibody - Product Information**

Application	WB, IF/IC, IHC
Primary Accession	<a href="#">P27361</a> , <a href="#">P28482</a>
Other Accession	<a href="#">Q63844</a> , <a href="#">P63085</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal

**Anti-ERK1/2 (pY204) Antibody - Additional Information**

**Other Names**

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; p44-ERK1; MAPK1; ERK2; PRKM1; PRKM2; Mitogen-activated protein kinase 1; MAP kinase 1; MAPK 1; ERT1; Extracellular signal-regulated kinase 2; ERK-2; MAP kinase isoform p42; p42-MAPK; Mitogen-activated protein kinase 2; MAP kinase 2; MAPK 2

**Target/Specificity**

Recognizes endogenous levels of ERK1/2 (pY204) protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500)  
IF/IC~~N/A  
IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

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

**Anti-ERK1/2 (pY204) Antibody - Protein Information**

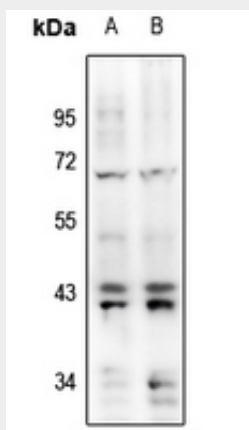
**Anti-ERK1/2 (pY204) Antibody - Protocols**

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

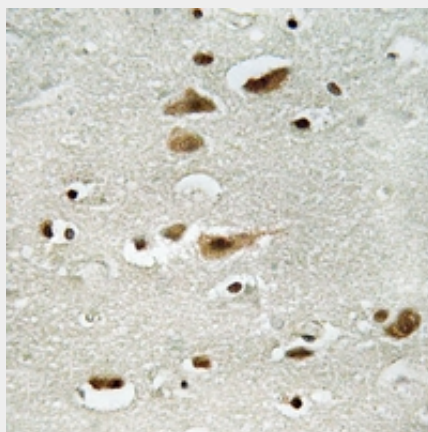
- [Western Blot](#)

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

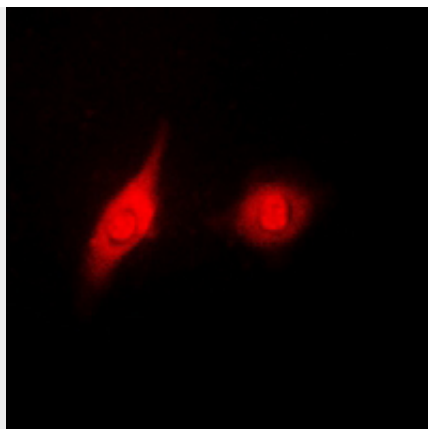
#### Anti-ERK1/2 (pY204) Antibody - Images



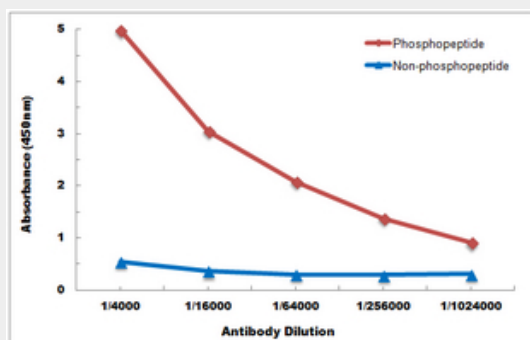
Western blot analysis of ERK1/2 (pY204) expression in HCT116 (A), A549 (B) whole cell lysates.



Immunohistochemical analysis of ERK1/2 (pY204) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ERK1/2 (pY204) staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Direct ELISA antibody dose-response curve using Anti-ERK1/2 (pY204) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

### Anti-ERK1/2 (pY204) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ERK1/2 (pY204). The exact sequence is proprietary.