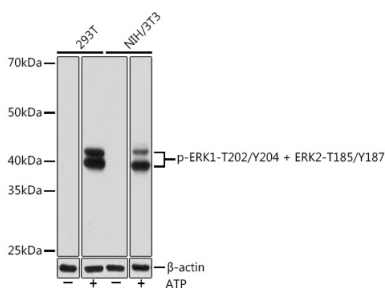
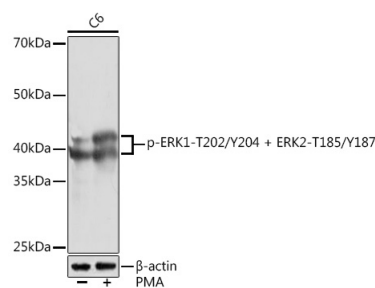




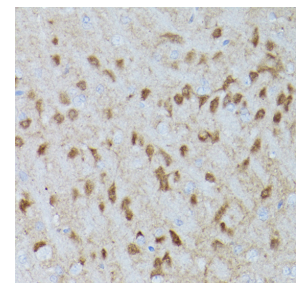
|                          |   |
|--------------------------|---|
| <b>Cat. No:</b>          | MAB-94754   |
| <b>Conjugate:</b>        | Unconjugated  |
| <b>Size:</b>             | 100 ug  |
| <b>Clone:</b>            | ARC1595   |
| <b>Concentration:</b>    | 1mg/ml  |
| <b>Host:</b>             | Rabbit  |
| <b>Isotype:</b>          | IgG   |
| <b>Immunogen:</b>        | A synthetic phosphorylated peptide around T202 & Y204 of human ERK1MK03 (   |
| <b>Reactivity:</b>       | Human, Mouse, Rat   |
| <b>Applications:</b>     | Western Blot: 1:500 - 1:2000<br>Immunohistochemistry: 1:50 - 1:200<br>Immunofluorescence: 1:50 - 1:200<br>Immunocytochemistry: 1:50 - 1:200   |
| <b>Molecular Weight:</b> | 42kDa/44kDa   |
| <b>Purification:</b>     | Affinity purification   |
| <b>Synonyms:</b>         | ERK-1; ERK1; ERT2; HS44KDAP; HUMKER1A; P44ERK1; P44MAPK; PRKM3; p44-ERK1; p44- MAPK   |
| <b>Background:</b>       | 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. |
| <b>Form:</b>             | Liquid  |
| <b>Buffer:</b>           | PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.   |
| <b>Storage:</b>          | Store at -20°C. Avoid freeze / thaw cycles.   |



Western blot analysis of extracts of various cell lines, using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb at 1:1000 dilution. Both 293T cells and NIH/3T3 cells were treated by ATP(5 mM) at 30°C for 1 hour. Secondary antibody: HRP Goat Anti-

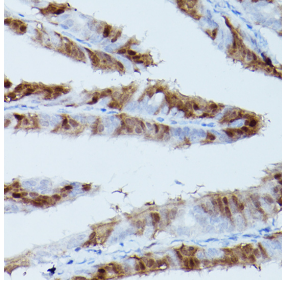


Western blot analysis of extracts of C6 cells, using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb at 1:1000 dilution. C6 cells were treated by PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight.



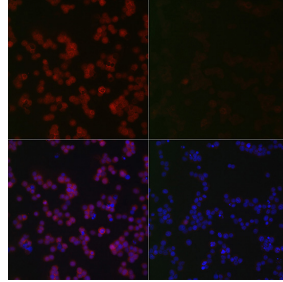
Immunohistochemistry of paraffin-embedded rat brain using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb at dilution of 1:100 (40x lens).

Rabbit IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL West Pico Plus.  
Exposure time: 10s.



Immunohistochemistry of paraffinembedded rat fallopian tube using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb at dilution of 1:100 (40x lens).

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL West Pico Plus.  
Exposure time: 90s.



Immunofluorescence analysis of Jurkat treated with PMA and Jurkat using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb at dilution of 1:100 (40x lens).  
Blue: DAPI for nuclear staining.

### References:

Product: Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb  
Journal: Neural Regen Res  
Application: WB  
IF: 5.135  
Species: Rattus norvegicus  
PMID: 34472493  
Title: Identification of key genes involved in axon regeneration and Wallerian degeneration by weighted gene co-expression network analysis

### References:

Product: Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb  
Journal: Frontiers of Medicine  
Application: WB  
IF: 4.592  
Species: Mus musculus  
PMID: 29556954  
Title: Role of chemerin/CMKLR1 in the maintenance of early pregnancy

### References:

Product: Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb  
Journal: Pediatr Res  
Application: WB  
IF: 3.756  
Species: Homo sapiens  
PMID: 34952935  
Title: Possible mechanism of CHI3L1 promoting tonsil lymphocytes proliferation in children with obstructive sleep apnea syndrome

**References:**

Product: Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb

Journal:Frontiers in pharmacology

Application:IF

IF:5.98

Species:Mus musculus

PMID:35903325

Title:Theaflavin-3,3-Digallate from Black Tea Inhibits Neointima Formation Through Suppression of the PDGFR $\beta$  Pathway in Vascular Smooth Muscle Cells - PMC

**References:**

Product:Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit mAb

Journal:Pharmaceuticals (Basel, Switzerland)

Application:WB

IF:5.21

Species:Homo sapiens

PMID:36678513

Title:Preclinical Studies of Chiauranib Show It Inhibits Transformed Follicular Lymphoma through the VEGFR2/ERK/STAT3 Signaling Pathway - PMC

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