

## Rabbit PHOSPHO-Erk 1,2 Monoclonal Antibody | anti-PHOSPHO-Erk 1,2 antibody

Anti - PHOSPHO-Erk 1,2

| CATALOG # | HOST   | REACTIVITY                  | APPLICATIONS                                                  |
|-----------|--------|-----------------------------|---------------------------------------------------------------|
| AAA79001  | Rabbit | Human, Mouse<br>Tested: Rat | Immunocytochemistry, Immunoprecipitation, Western Blot, ELISA |

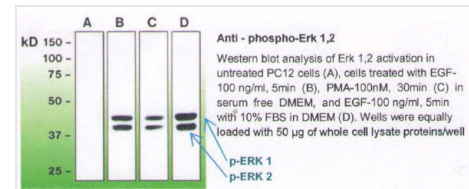
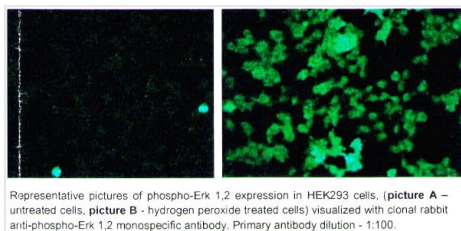
### PRODUCT SYNONYMS

PHOSPHO-Erk 1; 2; Monoclonal Antibody; Anti - PHOSPHO-Erk 1; anti-PHOSPHO-Erk 1; 2 antibody

### PRODUCT SPECIFICATIONS

|                                                           |                                                                                              |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Host                                                      | Rabbit                                                                                       |
| Reactivity                                                | Human, Mouse<br>Tested: Rat                                                                  |
| Clonality                                                 | Monoclonal                                                                                   |
| Clone Number                                              | G15-B                                                                                        |
| Sequence Length                                           | 360                                                                                          |
| Applicable Applications for anti-PHOSPHO-Erk 1,2 antibody | ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot), ELISA                |
| Immunogen                                                 | Peptide derived from the protein area including conserved pT-E-pY motif of activated Erk 1,2 |
| Storage Buffer                                            | 20 mM Tris-HCl, pH 8.0                                                                       |
| Stabilizer                                                | 10 mg/ml BSA                                                                                 |
| Preservative                                              | 0.05% NaN3                                                                                   |
| Preparation and Storage                                   | Store at -20 degree C                                                                        |

### IMAGES



#### WB (Western Blot)

Western Immunoblotting solutions: Wash buffer: 1x Tris Buffered Saline (TBS): 0.1% Triton X-100  
Blocking buffer: 1xTBS: 0.1% Triton X-100: 5% BSA (used with the primary antibody)

#### ICC (Immunocytochemistry)

- Coat coverslips with 1 % gelatin-coating solution for 2 hours at room temperature (RT): rinse with distilled water, and let to dry overnight. Before plating the cells, wash the coated coverslips briefly with PBS.
- Fix the cells with 4% paraformaldehyde solution (in PBS, pH 7.2), for 15 min at RT.
- Wash 2 x 3 min with PBS.
- Permeabilize the cells with 0.1% Triton X-100 solution (in PBS, pH 7.2) for 5 min on ice.
- Wash 2 x 3 min with PBS.
- Incubate the cells in blocking buffer (0.3M glycine in PBS, 2% BSA) for 30 min at RT.
- Incubate the cells with primary antibody: anti-phospho Erk 1,2 clonal antibody at the dilution of 1:100 - 1:400 in antibody dilution buffer (PBS, 1 % BSA) for 1 hour at RT in humid chamber.
- Wash 2 x 3 min with PBS.
- Apply the secondary antibody (in this case, the goat anti-rabbit IgG-FITC from Jackson ImmunoResearch, cat. # 111-095-003, was used at 1:300 in antibody dilution buffer, and cells were incubated for 1 hour at RT in dark).
- Wash 3 x 3 min with PBS.
- Rinse once with distilled water.
- Mount the slide for observation, with a drop of anti-fade mounting medium.

ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                          |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PHOSPHO-Erk 1,2 antibody | Rabbit anti-phospho -Erk 1,2 clonal IgGs<br>Basic Information: Major clone of IgGs representing both, Erk1 and Erk2, obtained from immunoglobulins corresponding to pTE-pY dual phosphorylation sequence |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119554                                                                                                                                                                                                    |
| NCBI GeneID                      | 5594                                                                                                                                                                                                      |
| UniProt Accession #              | P28482; A8CZ64                                                                                                                                                                                            |
| Molecular Weight                 | 41,390 Da                                                                                                                                                                                                 |
| NCBI Official Full Name          | Mitogen-activated protein kinase 1                                                                                                                                                                        |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase 1                                                                                                                                                                        |
| NCBI Official Symbol             | MAPK1                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK                                                                                                                    |
| NCBI Protein Information         | mitogen-activated protein kinase 1; MAPK 2; MAP kinase 1; MAP kinase 2; MAP kinase isoform p42; protein tyrosine kinase ERK2; mitogen-activated protein kinase 2; extracellular signal-regulated kinase 2 |
| UniProt Protein Name             | Mitogen-activated protein kinase 1                                                                                                                                                                        |
| UniProt Gene Name                | MAPK1                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | ERK2; PRKM1; PRKM2; MAP kinase 1; MAPK 1; ERK-2; p42-MAPK; MAP kinase 2; MAPK 2                                                                                                                           |
| UniProt Entry Name               | MK01_HUMAN                                                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/phospho-erk-1-2-antibody-clone-g15-b-immunocytochemistry-immunoprecipitation-western-blot-elisa/79001>