

## Rabbit anti-Human, Mouse ERK2 Polyclonal Antibody | anti-ERK2 antibody

Rabbit anti-ERK2 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                       |
|-----------|--------|--------------|------------------------------------|
| AAA211744 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot |

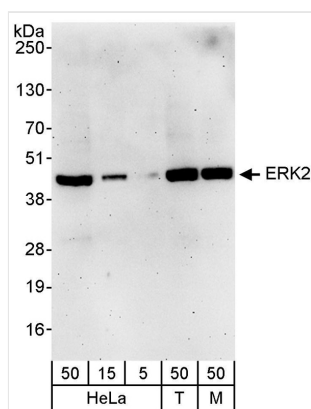
### PRODUCT SYNONYMS

ERK2; Polyclonal Antibody; Rabbit anti-ERK2 Antibody; Affinity Purified; PRKM1; p38; p40; p41; p41mapk; P42MAPK; PRKM2; protein tyrosine kinase ERK2; mitogen-activated protein kinase 2; p42-MAPK; ERT1; ERK; ERK-2; extracellular signal-regulated kinase 2; MAP kinase 1; MAP kinase 2; MAP kinase isoform p42; MAPK 1; MAPK 2; MAPK2; mitogen-activated protein kinase 1; Mitogen-activated protein kinase 1; anti-ERK2 antibody

### PRODUCT SPECIFICATIONS

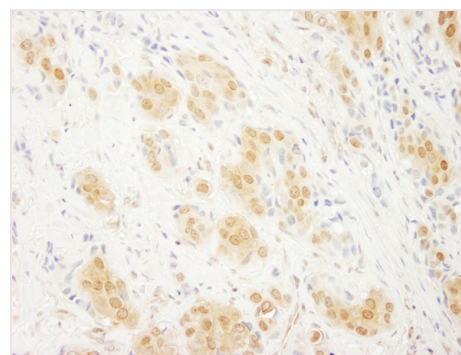
|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse                                                                              |
| Clonality                                      | Polyclonal                                                                                |
| Purity/Purification                            | Antigen Affinity Purified                                                                 |
| Form/Format                                    | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                  | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-ERK2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                             |
| Predicted Reactivity                           | Rat, Bovine                                                                               |
| Immunogen                                      | Between 310 and C-terminus                                                                |
| Conjugation                                    | Unconjugated                                                                              |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human and mouse ERK2 by western blot. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug), HEK293T (T; 50 ug) and mouse NIH 3T3 (M; 50ug) cells. Antibody: Affinity purified rabbit anti-ERK2 antibody AAA211744 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



#### IHC (Immunohistochemistry)

Detection of human ERK2 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-ERK2 (Cat. No. AAA211744) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ERK2 antibody | Extracellular signal-regulated kinase 2 (ERK2/p42) is also known as mitogen-activated protein kinase 1 (MAPK1). ERK2 is part of a signal transduction pathway that begins with the small GTPase Ras and continues through a cascade of protein kinases that include Raf and MEK. Activation of this signaling pathway influences many cellular processes such as proliferation, differentiation and survival. ERK2 is very similar in sequence to ERK1/p44 and the activities of both ERK1 and ERK2 are usually considered together as total ERK activity. More recent evidence has shown that ERK1 and ERK2 are not functionally redundant and may have very different and specific roles. |
| Product Categories/Family for anti-ERK2 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 66932916                                                                                                                                                                                                                   |
| NCBI GeneID                      | 5594                                                                                                                                                                                                                       |
| NCBI Accession #                 | NP_002736.3                                                                                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_002745.4                                                                                                                                                                                                                |
| UniProt Accession #              | P28482                                                                                                                                                                                                                     |
| 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; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk                                                                                                                                                      |
| NCBI Protein Information         | mitogen-activated protein kinase 1; ERK-2; MAPK 2; p42-MAPK; 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/erk2-antibody-immunohistochemistry-western-blot-elisa/211744>