

## Rabbit MAPK1 Polyclonal Antibody | anti-MAPK1 antibody

MAPK1 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                              | APPLICATIONS |
|-----------|--------|-------------------------------------------------------------------------|--------------|
| AAA200873 | Rabbit | Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish | Western Blot |

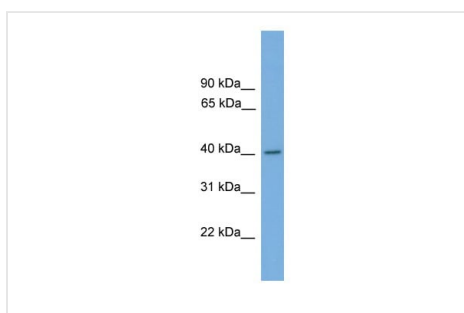
### PRODUCT SYNONYMS

MAPK1; Polyclonal Antibody; MAPK1 antibody - middle region; anti-MAPK1 antibody

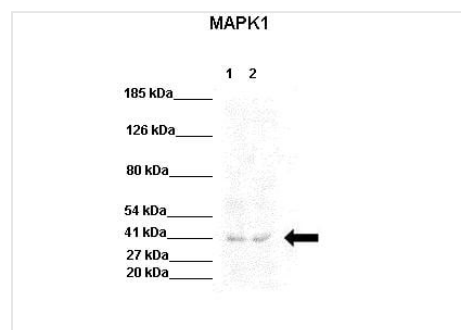
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: RD LKPSNLLNT TCDLKICDFG LARVADPDHD HTGFLTEYVA TRWYRAPE                                                   |
| Sequence Length                                 | 360                                                                                                                                                   |
| Applicable Applications for anti-MAPK1 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%                   |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the middle region of human MAPK1                                                                |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES

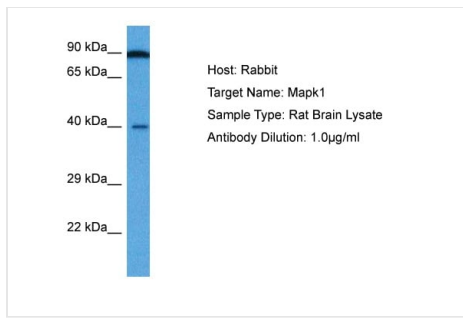


#### WB (Western Blot)

WB Suggested Anti-MAPK1 Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:31250  
Positive Control: Human brain


#### WB (Western Blot)

WB Suggested Anti-MAPK1 Antibody  
Positive Control: Lane 1: 40ug HEK293 lysate  
Lane 2: 40ug U205 lysate  
Primary Antibody Dilution : 1:1000  
Secondary Antibody : Goat anti-rabbit-HRP  
Secondary Antibody Dilution : 1:5000  
Submitted by: Jose Luis Rosa, Universitat de Barcelona



**WB (Western Blot)**  
Host: RatTarget Name: MAPK1Sample Tissue: Rat BrainAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAPK1 antibody | <p>This is a rabbit polyclonal antibody against MAPK1. It was validated on Western Blot</p> <p>Target Description: 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 as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.</p> |
| Product Categories/Family for anti-MAPK1 antibody   | <p>Polyclonal; RNA Binding Proteins; Protein Kinases; Transcription Regulation; Drugs and Drug Metabolism; Cell Biology; Signal Transduction; Phosphorylation; Transcription Factors; Cell Differentiation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 20986531                                                                               |
| NCBI GeneID                      | 5594                                                                                   |
| NCBI Accession #                 | NP_620407                                                                              |
| NCBI GenBank Nucleotide #        | NM_138957                                                                              |
| UniProt Accession #              | P28482                                                                                 |
| Molecular Weight                 | 41kDa                                                                                  |
| 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                                                     |
| 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.