

## Rabbit Mapk4 Polyclonal Antibody | anti-Mapk4 antibody

Mouse Mapk4 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY                               | APPLICATIONS                              |
|-----------|--------|------------------------------------------|-------------------------------------------|
| AAA284738 | Rabbit | Human, mouse (Predicted Reactivity: Rat) | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

Mapk4; Polyclonal Antibody; Mouse Mapk4 Antibody (N-term); Mitogen-activated protein kinase 4; MAP kinase 4; MAPK 4; Extracellular signal-regulated kinase 4; ERK-4; Erk4; Prkm4; anti-Mapk4 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human, mouse (Predicted Reactivity: Rat)                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This Mouse Mapk4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-94 amino acids from the N-terminal region of mouse Mapk4.   |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 67-94                                                                                                                                                                        |
| Sequence Length                                 | 583                                                                                                                                                                          |
| Applicable Applications for anti-Mapk4 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | MOUSE                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### IHC (Immunohistochemistry)

Mouse Mapk4 Antibody (N-term) (AAA284738) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Mapk4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



#### WB (Western Blot)

Mouse Mapk4 Antibody (N-term) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the Mapk4 antibody detected the Mapk4 protein (arrow).



#### WB (Western Blot)

Mouse Mapk4 Antibody (N-term) western blot analysis in C6 cell line lysates (35ug/lane). This demonstrates the Mapk4 antibody detected the Mapk4 protein (arrow).

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Mapk4 antibody | Phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle (By similarity).                                                                                                                                                                                                                            |
| Product Categories/Family for anti-Mapk4 antibody   | <a href="#">Cancer</a> ; <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                            |
| References                                          | Klinger, S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(39):16710-16715(2009)<br>Kesavan, C., et al. Bone 41(2):223-230(2007)<br>Kant, S., et al. J. Biol. Chem. 281(46):35511-35519(2006)<br>Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)<br>Xu, H., et al. J. Biol. Chem. 278(32):30187-30192(2003) |

### NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | <a href="#">89337268</a>                 |
| NCBI GeneID                      | <a href="#">225724</a>                   |
| NCBI Accession #                 | <a href="#">NP_766220.2</a>              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_172632.2</a>              |
| UniProt Accession #              | <a href="#">Q6P5G0</a>                   |
| Molecular Weight                 | 65574                                    |
| NCBI Official Full Name          | mitogen-activated protein kinase 4       |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase 4       |
| NCBI Official Symbol             | Mapk4                                    |
| NCBI Official Synonym Symbols    | Erk3; Prkm4; p63Mapk; A330097D03Rik      |
| NCBI Protein Information         | mitogen-activated protein kinase 4       |
| UniProt Protein Name             | Mitogen-activated protein kinase 4       |
| UniProt Gene Name                | <b>Mapk4</b>                             |
| UniProt Synonym Gene Names       | Erk4; Prkm4; MAP kinase 4; MAPK 4; ERK-4 |
| UniProt Entry Name               | MK04_MOUSE                               |

**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/mapk4-antibody-immunohistochemistry-western-blot-elisa/284738>