

## Rabbit MAP3K4 Polyclonal Antibody | anti-MAP3K4 antibody

MAP3K4 Polyclonal Antibody

|                               |                       |                                        |                                                    |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA168944</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|

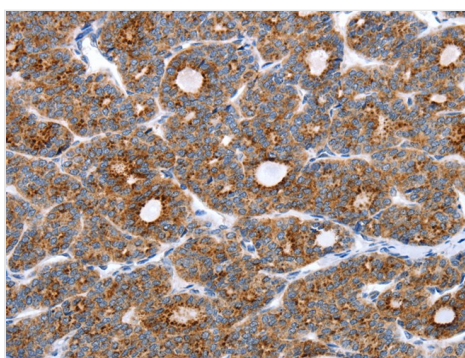
### PRODUCT SYNONYMS

MAP3K4; Polyclonal Antibody; MAP3K4 Polyclonal Antibody; MTK1; MEKK4; MAPKKK4; PRO0412; anti-MAP3K4 antibody

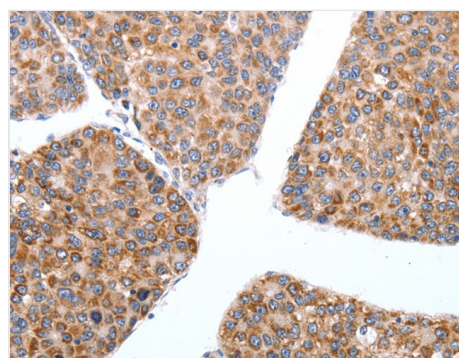
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                    |
| Reactivity                                       | Human, Mouse, Rat                                                                         |
| Clonality                                        | Polyclonal                                                                                |
| Isotype                                          | IgG                                                                                       |
| Purity/Purification                              | Antigen affinity purification                                                             |
| Concentration                                    | 0.7mg/mL (varies by lot)                                                                  |
| Sequence Length                                  | 1604                                                                                      |
| Applicable Applications for anti-MAP3K4 antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Immunogen                                        | Synthetic peptide of human MAP3K4                                                         |
| Buffer                                           | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                          | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MAP3K4 Polyclonal Antibody at dilution 1:20



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using MAP3K4 Polyclonal Antibody at dilution 1:20

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAP3K4 antibody | The central core of each mitogen-activated protein kinase (MAPK) pathway is a conserved cascade of 3 protein kinases: an activated MAPK kinase kinase (MAPKKK) phosphorylates and activates a specific MAPK kinase (MAPKK), which then activates a specific MAPK. While the ERK MAPKs are activated by mitogenic stimulation, the CSBP2 and JNK MAPKs are activated by environmental stresses such as osmotic shock, UV irradiation, wound stress, and inflammatory factors. This gene encodes a MAPKKK, the MEKK4 protein, also called MTK1. This protein contains a protein kinase catalytic domain at the C terminus. The N-terminal nonkinase domain may contain a regulatory domain. Expression of MEKK4 in mammalian cells activated the CSBP2 and JNK MAPK pathways, but not the ERK pathway. In vitro kinase studies indicated that recombinant MEKK4 can specifically phosphorylate and activate PRKMK6 and SERK1, MAPKKs that activate CSBP2 and JNK, respectively but cannot phosphorylate PRKMK1, an MAPKK that activates ERKs. MEKK4 is a major mediator of environmental stresses that activate the CSBP2 MAPK pathway, and a minor mediator of the JNK pathway. Two alternatively spliced transcripts encoding distinct isoforms have been described. |
| Product Categories/Family for anti-MAP3K4 antibody   | Epigenetics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 666637986                                                                                                                                                                                                                                                                                 |
| NCBI GeneID                      | 4216                                                                                                                                                                                                                                                                                      |
| NCBI Accession #                 | NP_001288001.1                                                                                                                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001301072.1                                                                                                                                                                                                                                                                            |
| Molecular Weight                 | 177,014 Da                                                                                                                                                                                                                                                                                |
| NCBI Official Full Name          | mitogen-activated protein kinase kinase kinase 4 isoform d                                                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase kinase kinase 4                                                                                                                                                                                                                                          |
| NCBI Official Symbol             | MAP3K4                                                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | MTK1; MEKK4; MEKK 4; MAPKKK4; PRO0412                                                                                                                                                                                                                                                     |
| NCBI Protein Information         | mitogen-activated protein kinase kinase kinase 4; MAP three kinase 1; MAP/ERK kinase kinase 4; MAPK/ERK kinase kinase 4; MEK kinase 4; SSK2/SSK22 MAP kinase kinase kinase, yeast, homolog of; dJ473J16.1 (mitogen-activated protein kinase kinase kinase 4); predicted protein of HQ0412 |
| UniProt Protein Name             | Mitogen-activated protein kinase kinase kinase 4                                                                                                                                                                                                                                          |
| UniProt Gene Name                | MAP3K4                                                                                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | KIAA0213; MAPKKK4; MEKK4; MTK1; MEK kinase 4; MEKK 4                                                                                                                                                                                                                                      |
| UniProt Entry Name               | M3K4_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/polyclonal/map3k4-antibody-immunohistochemistry-elisa/168944>