

## Rabbit anti-Human MAP4K4/HGK Polyclonal Antibody | anti-MAP4K4/HGK antibody

Rabbit anti-MAP4K4/HGK Antibody, Affinity Purified

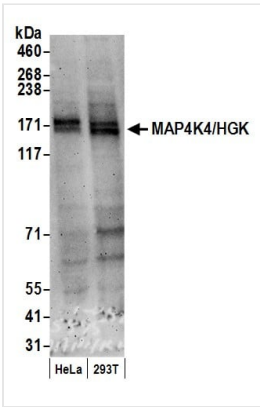
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                      |
|-----------|--------|------------|-----------------------------------|
| AAA211506 | Rabbit | Human      | Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

MAP4K4/HGK; Polyclonal Antibody; Rabbit anti-MAP4K4/HGK Antibody; Affinity Purified; MEK kinase kinase 4; Ste20 group protein kinase HGK; NIK; MEKKK4; mitogen-activated protein kinase kinase kinase kinase 4; MEKKK 4; HPK/GCK-like kinase HGK; HGK; hepatocyte progenitor kinase-like/germinal center kinase-like kinase; HEL-S-31; FLH21957; epididymis secretory protein Li 31; nck-interacting kinase; MAPK/ERK kinase kinase kinase 4; Mitogen-activated protein kinase kinase kinase 4; anti-MAP4K4/HGK antibody

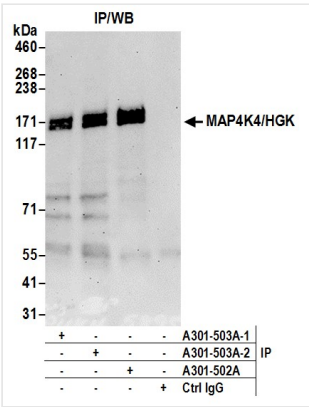
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                                 | Rabbit                                                                                    |
| Reactivity                                           | Human                                                                                     |
| 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-MAP4K4/HGK antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Predicted Reactivity                                 | Mouse                                                                                     |
| Immunogen                                            | Between 875 and 925                                                                       |
| Conjugation                                          | Unconjugated                                                                              |
| Preparation and Storage                              | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |



WB (Western Blot)

Detection of human MAP4K4/HGK by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-MAP4K4/HGK antibody AAA211506 (lot AAA211506-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human MAP4K4/HGK by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MAP4K4/HGK antibody AAA211506 (lot AAA211506-2) used for IP at 6 ug per reaction. MAP4K4/HGK was also immunoprecipitated by a previous lot of this antibody (AAA211506-1) and rabbit anti-MAP4K4/HGK antibody For blotting immunoprecipitated MAP4K4/HGK, AAA211506 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAP4K4/HGK antibody | MAP4K4 is a serine/threonine kinase that signals upstream of the c-Jun N-terminal kinase (JNK) and is involved in cell motility. MAP4K4 appears to partially mediate TNF alpha signaling. In skeletal muscle TNF-alpha induces insulin resistance. TNF-alpha induced insulin resistance has been shown to be dependent on MAPK4K4 activity. Interestingly, TNF-alpha regulates MAP4K4 expression and can stimulate MAP4K4 gene expression via TNFR2 (TNFalpha receptor 2) and the c-Jun and ATF2 (activating transcription factor 2) transcription factors. MAP4K4 is highly expressed in most tumor cell lines, and the analysis of MAP4K4 mutants indicates that it may have an important role in cell transformation and invasiveness. |
| Product Categories/Family for anti-MAP4K4/HGK antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| NCBI GeneID                | 9448                                                    |
| UniProt Accession #        | O95819                                                  |
| UniProt Protein Name       | Mitogen-activated protein kinase kinase kinase kinase 4 |
| UniProt Gene Name          | MAP4K4                                                  |
| UniProt Synonym Gene Names | HGK; KIAA0687; NIK; MEK kinase kinase 4; MEKKK 4        |
| UniProt Entry Name         | M4K4_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/map4k4-hgk-antibody-immunoprecipitation-western-blot-elisa/211506>