

MAP4K4/HGK Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID AAO32626.1

Catalog No. A301-503A

GeneID 9448

Lot No. A301-503A-2



APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to MAP4K4/HGK immobilized on solid support.

The epitope recognized by A301-503A maps to a region between residue 850 and 900 of human MAPK/ERK kinase kinase kinase 4 (hepatocyte progenitor kinase-like/germinal center kinase-like kinase) using the numbering given in entry AAO32626.1 (GeneID 9448).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 - 1:10,000

Immunoprecipitation 2 - 10 µg/mg lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

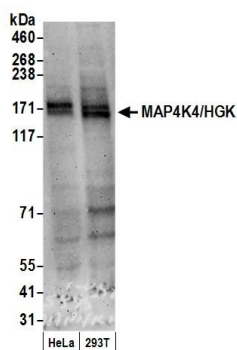
Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

ADDITIONAL INFO <https://www.bethyl.com/product/A301-503A>

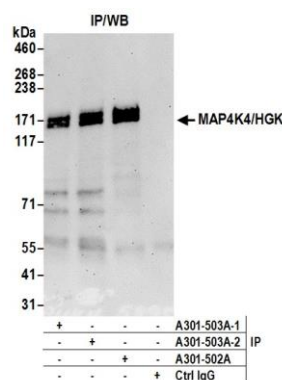
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human MAP4K4/HGK by western blot.
Samples: Whole cell lysate (50 µg) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-MAP4K4/HGK antibody A301-503A (lot A301-503A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



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 A301-503A (lot A301-503A-2) used for IP at 6 µg per reaction. MAP4K4/HGK was also immunoprecipitated by a previous lot of this antibody (A301-503A-1) and rabbit anti-MAP4K4/HGK antibody A300-502A. For blotting immunoprecipitated MAP4K4/HGK, A301-503A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.