

Product Datasheet

MLK4 Antibody NBP1-41081

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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technical@novusbio.com

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NBP1-41081

MLK4 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

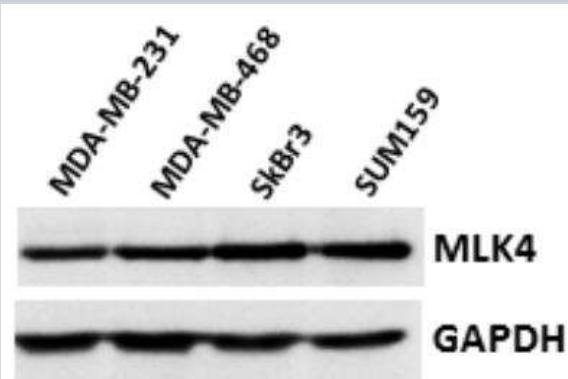
Product Description	
Description	Novus Biologicals Rabbit MLK4 Antibody (NBP1-41081) is a polyclonal antibody validated for use in WB and IP. Anti-MLK4 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	84451
Gene Symbol	MAP3K21
Species	Human
Immunogen	The immunogen for this product maps to a region between residue 986 and 1036 of human mixed lineage kinase 4 using the numbering given in entry NP_115811.2 (GeneID 84451).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate
Application Notes	Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE

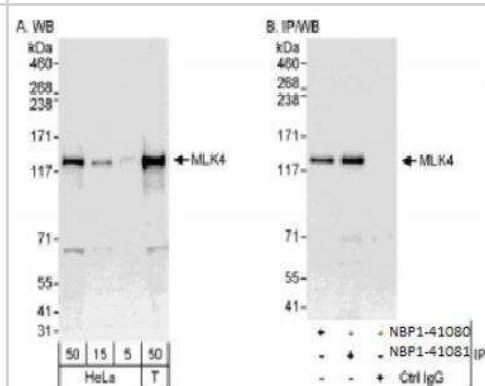


Images

Western Blot: MLK4 Antibody [NBP1-41081] - Total MLK4 expression in breast cancer cells. Image from verified customer review.



Western Blot: MLK4 Antibody [NBP1-41081] - Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and 293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit antiMLK4 antibody NBP1-41081 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. MLK4 was also immunoprecipitated by rabbit anti-MLK4 antibody NBP1-41080, which recognizes an upstream epitope.



Publications

Cedeno-Rosario L, Honda D, Sunderland AM et al. Phosphorylation of mixed lineage kinase MLK3 by cyclin-dependent kinases CDK1 and CDK2 controls ovarian cancer cell division *The Journal of biological chemistry* 2022-07-14 [PMID: 35843311] (IB, Human)

Blessing NA, Kasturirangan S, Zink EM et al. Osmotic and heat stress-dependent regulation of MLK4 beta and MLK3 by the CHIP E3 ligase in ovarian cancer cells *Cell. Signal.* 2017-07-28 [PMID: 28757353] (IP, Human)

Schroyer AL, Stimes NW, Abi Saab WF, Chadee DN. MLK3 phosphorylation by ERK1/2 is required for oxidative stress-induced invasion of colorectal cancer cells *Oncogene.* 2017-10-30 [PMID: 29084209] (WB, Human)

Guo W, Miyoshi K, Dubner R, Gu M et al. Spinal 5-HT₃ receptors mediate descending facilitation and contribute to behavioral hypersensitivity via a reciprocal neuron-glia signaling cascade. *Mol Pain* 2014-01-01 [PMID: 24913307]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-41081

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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