

# Product Datasheet

## MEK1 [p Thr292] Antibody - Azide Free NB500-145

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Reviews: 1 Publications: 6**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB500-145](http://www.novusbio.com/NB500-145)

Updated 9/9/2025 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB500-145](http://www.novusbio.com/reviews/destination/NB500-145)



**NB500-145****MEK1 [p Thr292] Antibody - Azide Free**

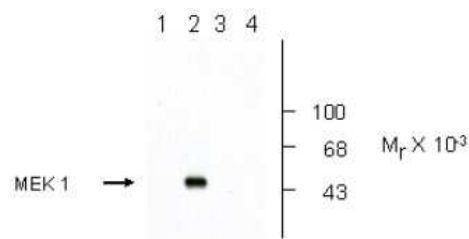
| Product Information            |   |
|--------------------------------|---|
| <b>Unit Size</b>               | 0.1 ml  |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>                 | Store at -20C. Avoid freeze-thaw cycles.  |
| <b>Clonality</b>               | Polyclonal  |
| <b>Preservative</b>            | No Preservative   |
| <b>Isotype</b>                 | IgG   |
| <b>Purity</b>                  | Antigen Affinity-purified   |
| <b>Buffer</b>                  | 10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol                             |
| <b>Target Molecular Weight</b> | 45 kDa  |

| Product Description            |   |
|--------------------------------|---|
| <b>Description</b>             | Novus Biologicals Rabbit MEK1 [p Thr292] Antibody - Azide Free (NB500-145) is a polyclonal antibody validated for use in WB. Anti-MEK1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                    | Rabbit  |
| <b>Gene ID</b>                 | 5604  |
| <b>Gene Symbol</b>             | MAP2K1  |
| <b>Species</b>                 | Human, Mouse  |
| <b>Specificity/Sensitivity</b> | Specific for endogenous levels of the ~45 kDa MEK1 protein phosphorylated at Thr292.  |
| <b>Immunogen</b>               | Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr292 conjugated to KLH. Accession # Q02750   |

| Product Application Details  |                     |
|------------------------------|---------------------|
| <b>Applications</b>          | Western Blot        |
| <b>Recommended Dilutions</b> | Western Blot 1:1000 |

**Images**

Western Blot: MEK1 [p Thr292] Antibody [NB500-145] - Recombinant wild type and mutant MEK 1 showing immunolabeling of the ~45k MEK-1 protein phosphorylated at Thr292. Lanes 1 and 2 are WT MEK 1 and Lanes 3 and 4 are mutant MEK 1 (T292A). MAP kinase was coexpressed in the samples run in Lanes 2 and 4.

**Anti-Phospho Thr<sup>292</sup> MEK 1**

## Publications

Park, SH, Zarrinpar, A Lim, WA. Rewiring MAP kinase pathways using alternative scaffold assembly mechanisms. *Science* 299 1061 - 1064. 2003-01-01 [PMID: 12511654]

Adams, JP Sweatt, JD. Roles for the ERK MAP kinase cascade in memory, *Annu. Rev Pharmacol Toxicol* 42 135 - 163. 2002-01-01 [PMID: 11807168]

Ahn, NG, quot. The MAP kinase cascade. Discovery of a new signal transduction pathway. *Mol. Cell Biochem.* 127 - 128 201 - 209. 1993-01-01 [PMID: 7935352]

Mansour, SJ, Resing, KA, Ci, JM, Hermann, AS, Gloor, JW, Herskind, KR, Wartmann, M, Davis, RJ, Ahn, NG, quot. Mitogen-activated protein (MAP) kinase phosphorylation of MAP kinase kinase: determination of phosphorylation sites by mass spectrometry site-directed mutagenesis. *J. Biochem. (Tokyo)* 116 304. 1994-01-01 [PMID: 7822248]

Crews, CM, Alessrini, A, Erikson, RL. The primary structure of MEK, a protein kinase that phosphorylates the ERK gene product. *Science* 258 478 - 480. 1992-01-01 [PMID: 1411546]

Ahn, NG, Robbins, DJ, Haycock, RW, Seger, R, Cobb, MH Krebs, EG, quot. Identification of an activator of the microtubule-associated protein 2 kinases ERK1 ERK2 in PC12 cells stimulated with nerve growth factor or bradykinin, *J. Neurochem* 59 147 -156. 1992-01-01 [PMID: 1319464]





### **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 NB500-145**

---

|             |   |
|-------------|---|
| 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB500-145](http://www.novusbio.com/reviews/submit/NB500-145)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

