

# Product Datasheet

## MAP3K8/Tpl2/COT Antibody

### NBP1-62178-50ug

Unit Size: 50 ug

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

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



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

#### Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-62178](http://www.novusbio.com/NBP1-62178)

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/NBP1-62178](http://www.novusbio.com/reviews/destination/NBP1-62178)



**NBP1-62178-50ug****MAP3K8/Tpl2/COT Antibody**

| <b>Product Information</b> |   |
|----------------------------|---|
| <b>Unit Size</b>           | 50 ug   |
| <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>        | 0.02% Sodium Azide  |
| <b>Isotype</b>             | IgG   |
| <b>Purity</b>              | Immunogen affinity purified   |
| <b>Buffer</b>              | Tris/Glycine buffer, pH 7.4-7.8, HEPES,BSA 0.5%, glycerol 30%.                              |

| <b>Product Description</b>     |   |
|--------------------------------|---|
| <b>Description</b>             | Novus Biologicals Rabbit MAP3K8/Tpl2/COT Antibody (NBP1-62178) is a polyclonal antibody validated for use in IHC, WB, ELISA and IP. Anti-MAP3K8/Tpl2/COT Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                    | Rabbit  |
| <b>Gene ID</b>                 | 1326  |
| <b>Gene Symbol</b>             | MAP3K8  |
| <b>Species</b>                 | Human, Mouse, Rat   |
| <b>Specificity/Sensitivity</b> | This antibody detects a single band of approximately 57kDa in PC-MAP3K8 samples   |
| <b>Immunogen</b>               | Synthetic peptides corresponding to unique epitope on MAP3K8. The peptide sequence was selected from C-terminal-region, amino acids 365-467. This peptide was covalently modified post-synthetically to achieve desired antigenicity.                           |

| <b>Product Application Details</b> |   |
|------------------------------------|---|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation   |
| <b>Recommended Dilutions</b>       | Western Blot > 1:500, ELISA < 1:10000, Immunohistochemistry 1:50-1:150, Immunoprecipitation 1:200, Immunohistochemistry-Paraffin 1:50-1:150 |
| <b>Application Notes</b>           | By western blot this antibody detects a single band of approximately 57kDa in PC-MAP3K8 samples.  |

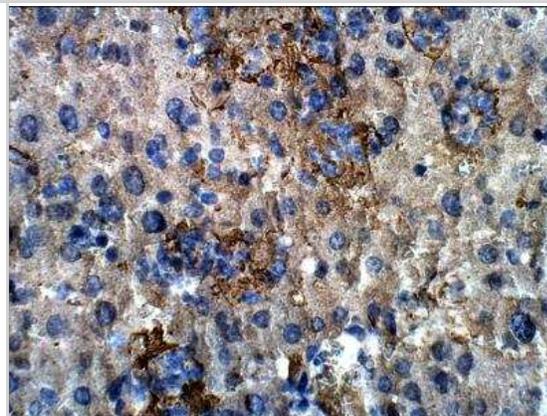


## Images

Western Blot: MAP3K8/Tpl2/COT Antibody [NBP1-62178] - 50-60 ug of rat midbrain protein. Primary antibody is diluted with 1:500 in DiluOBuffer. Apparent MW of MAP3K8 is 57 KDa.



Immunohistochemistry-Paraffin: MAP3K8/Tpl2/COT Antibody [NBP1-62178] - 1:1000 dilution in IHC Blocking Buffer. DAB (brown) staining and Hematoxylin QS (blue) counterstain. 40x MAGNIFICATION. FFPE section.



## Publications

Jager J, Gremeaux T, Gonzalez T, Bonnafous S, Debard C, Laville M, Vidal H, Tran A, Gual P, Le Marchand-Brustel Y, Cormont M, Tanti JF. Tpl2 kinase is upregulated in adipose tissue in obesity and may mediate interleukin-1beta and tumor necrosis factor- $\alpha$  effects on extracellular signal-regulated kinase activation and lipolysis. *Diabetes*;59(1):61-70. 2010-01-01 [PMID: 19808894]

Jeong JH, Bhatia A, Toth Z, Oh S, Inn KS, Liao CP, Roy-Burman P, Melamed J, Coetzee GA, Jung JU. TPL2/COT/MAP3K8 (TPL2) activation promotes androgen depletion-independent (ADI) prostate cancer growth. *PLoS One*;6(1):e16205. 2011-01-18 [PMID: 21267413]

Mielke LA, Elkins KL, Wei L, Starr R, Tschlis PN, O'Shea JJ, Watford WT. Tumor progression locus 2 (Map3k8) is critical for host defense against *Listeria monocytogenes* and IL-1 beta production. *J Immunol*;183(12):7984-93. 2009-12-15 [PMID: 19933865]

O'Neill LA. When signaling pathways collide: positive and negative regulation of toll-like receptor signal transduction. *Immunity*;29(1):12-20. 2008-07-18 [PMID: 18631453]



### **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 NBP1-62178-50ug**

---

|             |   |
|-------------|---|
| 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/NBP1-62178](http://www.novusbio.com/reviews/submit/NBP1-62178)

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

