

# Product Datasheet

## IL-1 alpha/IL-1F1 Antibody (OT12F8) NBP2-45400

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)

### Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-45400](http://www.novusbio.com/NBP2-45400)

Updated 10/23/2024 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/NBP2-45400](http://www.novusbio.com/reviews/destination/NBP2-45400)



**NBP2-45400**

IL-1 alpha/IL-1F1 Antibody (OTI2F8)

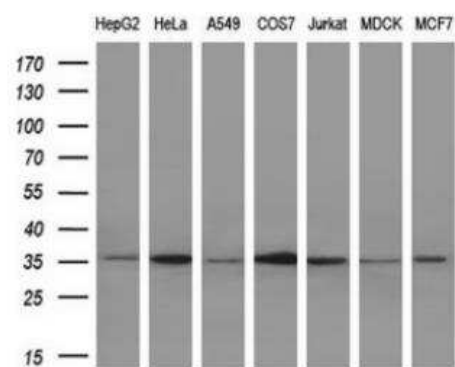
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI2F8
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	30.4 kDa

Product Description	
Host	Mouse
Gene ID	3552
Gene Symbol	IL1A
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 30213497). Mouse reactivity reported in scientific literature (PMID: 30240702). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human IL1A(NP_000566) produced in HEK293T cell.

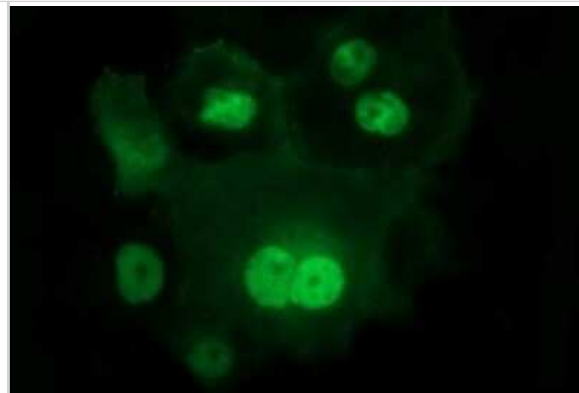
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

**Images**

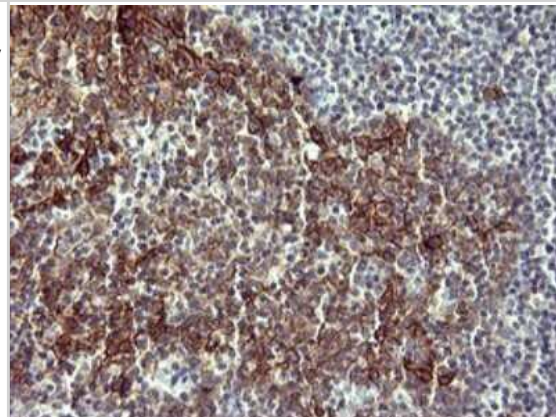
Western Blot: IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of extracts (10ug) from 5 different cell lines by using anti-IL1A monoclonal antibody. (1:200)



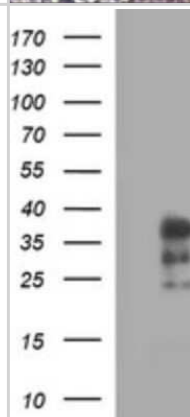
Immunocytochemistry/Immunofluorescence: IL-1 alpha/IL-1F1 Antibody (OT12F8) [NBP2-45400] - IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of COS7 cells transiently transfected by pCMV6-ENTRY IL-1 alpha.



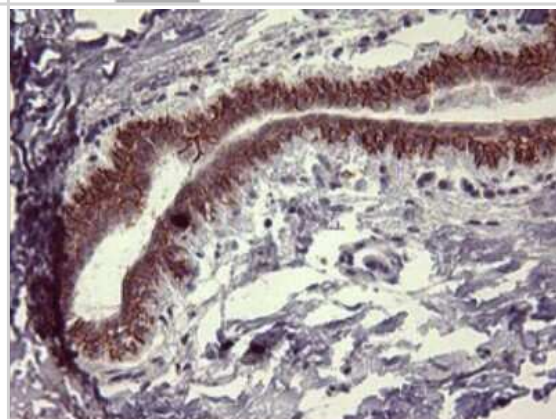
Immunohistochemistry: IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of Human lymph node tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



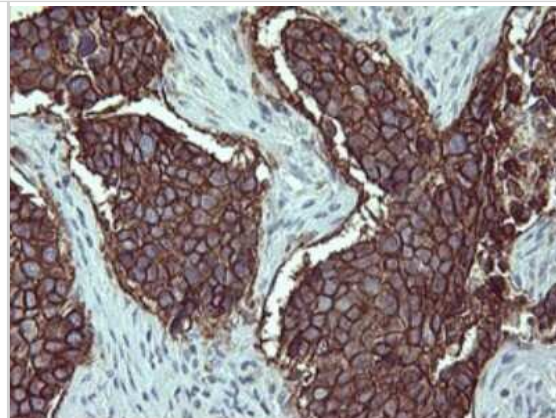
Western Blot: IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of HEK293T cells lysate (5 ug, left lane) and full length human recombinant protein of human IL-1 alpha (NP\_000566) produced in Analysis of HEK293T cell (5 ug, right lane).



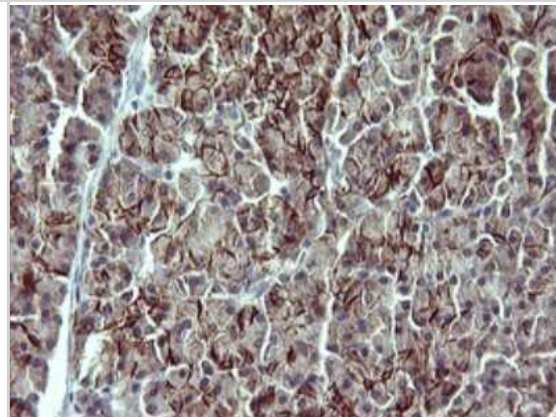
Immunohistochemistry: IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of Human breast tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



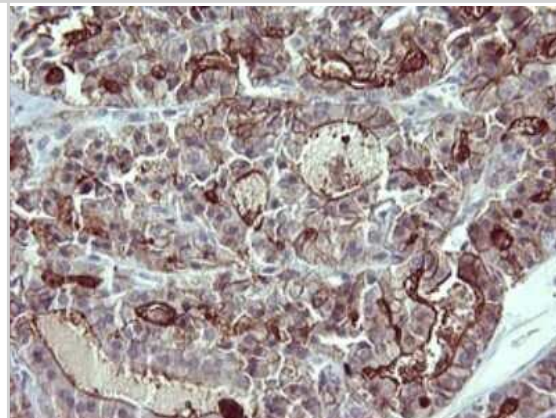
Immunohistochemistry: IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of Carcinoma of Human lung tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



Immunohistochemistry: IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of Human pancreas tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



Immunohistochemistry: IL-1 alpha/IL-1F1 Antibody (2F8) [NBP2-45400] - Analysis of Carcinoma of Human thyroid tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



## Publications

Rojewska E, Piotrowska A, Jurga A et al. Zaprinas diminished pain and enhanced opioid analgesia in a rat neuropathic pain model. *Eur. J. Pharmacol.* 2018-09-10 [PMID: 30213497] (WB, Rat)

Archer Nk, Jo JH, Lee Sk et al. Injury, dysbiosis, and filaggrin deficiency drive skin inflammation through keratinocyte IL-1a release. *J. Allergy Clin. Immunol.* 2018-09-19 [PMID: 30240702] (ICC/IF, Mouse)



### **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 NBP2-45400**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-35227-100ug	Recombinant Rat IL-1 alpha/IL-1F1 Protein

---

### **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/NBP2-45400](http://www.novusbio.com/reviews/submit/NBP2-45400)

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

