

# Product Datasheet

## Cytochrome P450 1A1 Antibody NBP1-97762

Unit Size: 0.1 mg

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

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



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

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-97762](http://www.novusbio.com/NBP1-97762)

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/NBP1-97762](http://www.novusbio.com/reviews/destination/NBP1-97762)



**NBP1-97762**

## Cytochrome P450 1A1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Cytochrome P450 1A1 Antibody (NBP1-97762) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Cytochrome P450 1A1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	1543
Gene Symbol	CYP1A1
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody is not expected to cross-react with the similar P450 1A2
Immunogen	Peptide with sequence C-QDRKLDENANVQLSD corresponding to internal region according to Uniprot Mouse NP_001129531.1.

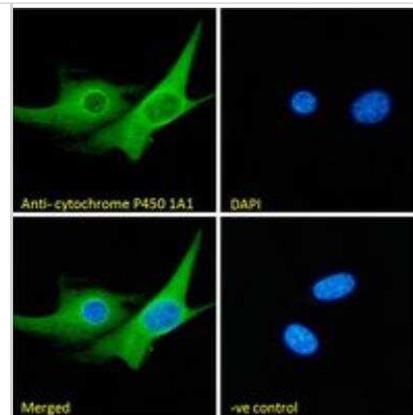
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 10 ug/mL, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Approx. 55 kDa band observed in human and rat lung lysates (calculated MW of 59.2 kDa band according to mouse NP_001129531.1 and 59.4 kDa band according to rat NP_036672.).

**Images**

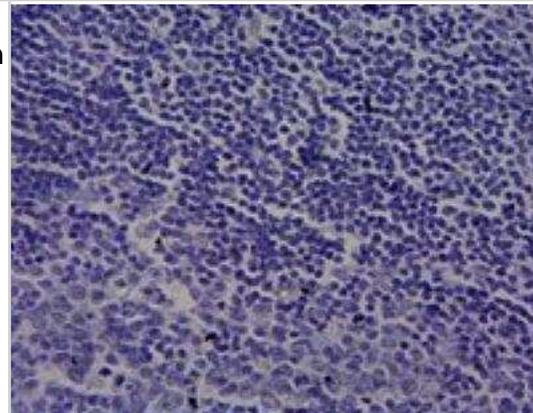
Western Blot: Cytochrome P450 1A1 Antibody [NBP1-97762] - Staining of Human Lung lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

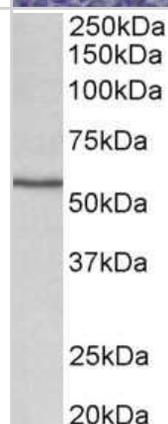
Immunocytochemistry/Immunofluorescence: Cytochrome P450 1A1 Antibody [NBP1-97762] - Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing endoplasmic reticulum and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



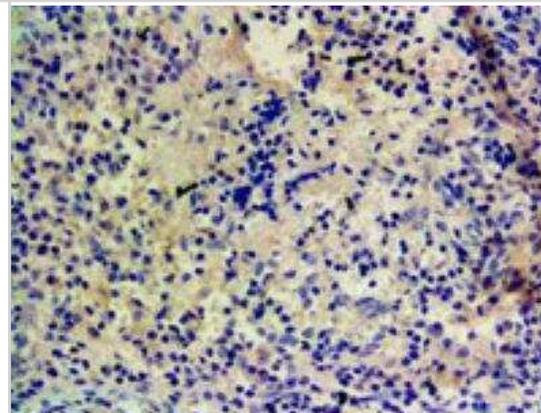
Immunohistochemistry-Paraffin: Cytochrome P450 1A1 Antibody [NBP1-97762] - Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.



Western Blot: Cytochrome P450 1A1 Antibody [NBP1-97762] - Staining of Rat Lung lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: Cytochrome P450 1A1 Antibody [NBP1-97762] - Staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with Tris-EDTA pH 9, HRP-Staining. Antibody at 1:500.



## Publications

Sulem P, Gudbjartsson DF, Geller F et al. Sequence variants at CYP1A1-CYP1A2 and AHR associate with coffee consumption. Hum Mol Genet 2011-05-15 [PMID: 21357676]



### **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 NBP1-97762**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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/NBP1-97762](http://www.novusbio.com/reviews/submit/NBP1-97762)

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



