

# Product Datasheet

## Cytochrome P450 3A4 Antibody (3H8) - BSA Free NBP2-37502

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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

### Publications: 1

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Updated 10/23/2024 v.20.1

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**NBP2-37502**

Cytochrome P450 3A4 Antibody (3H8) - BSA Free

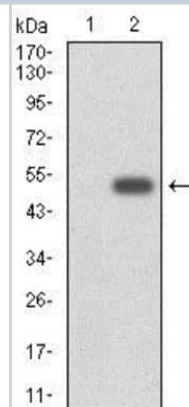
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3H8
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	57.3 kDa

Product Description	
Host	Mouse
Gene ID	1576
Gene Symbol	CYP3A4
Species	Human
Immunogen	Purified recombinant fragment of human Cytochrome P450 3A4 expressed in E. Coli.

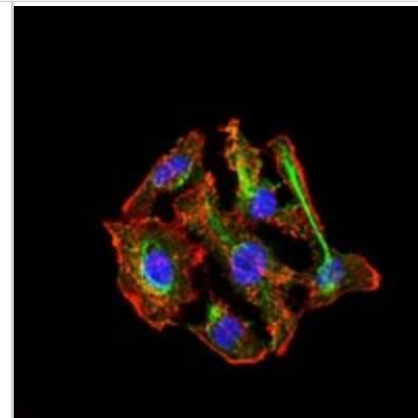
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000, CyTOF-ready
Application Notes	This antibody is Cytof ready.

**Images**

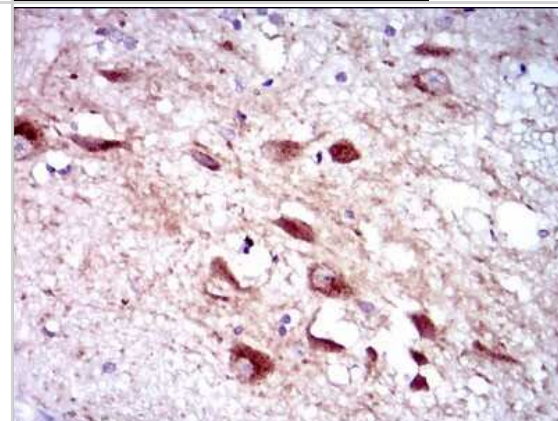
Western Blot: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis using CYP3A4 mAb against HEK293 (1) and CYP3A4 (AA: 243-430)-hlgGfc transfected HEK293 (2) cell lysate.



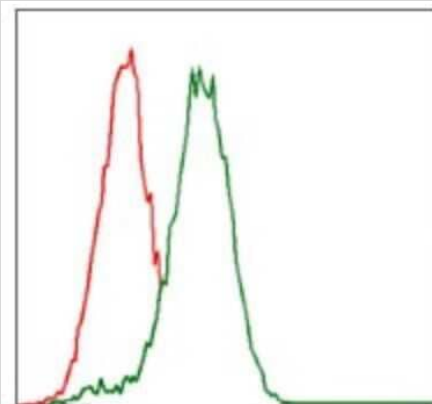
Immunocytochemistry/Immunofluorescence: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis of HepG2 cells using CYP3A4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



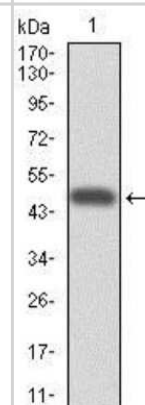
Immunohistochemistry-Paraffin: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis of human brain tissues using CYP3A4 mouse mAb with DAB staining.



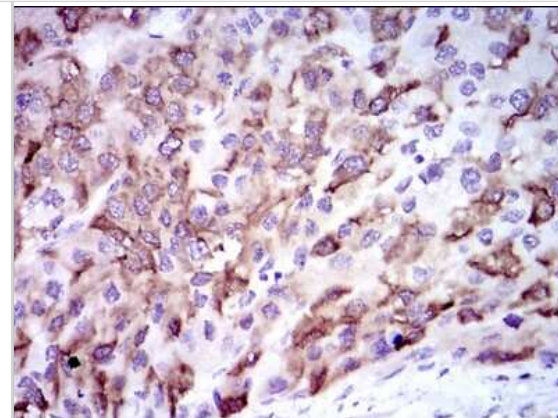
Flow Cytometry: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis of HepG2 cells using CYP3A4 mouse mAb (green) and negative control (red).



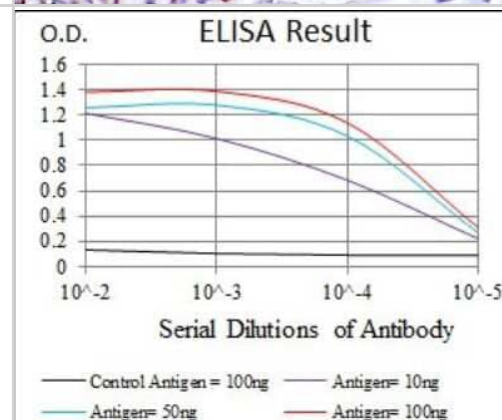
Western Blot: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis using CYP3A4 mAb against human CYP3A4 (AA: 243-430) recombinant protein. (Expected MW is 47.5 kDa)



Immunohistochemistry-Paraffin: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis of liver cancer tissues using CYP3A4 mouse mAb with DAB staining.



ELISA: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



## Publications

Agarwal T, Rustagi A, Das J, Maiti TK. PAMAM dendrimer grafted cellulose paper scaffolds as a novel in vitro 3D liver model for drug screening applications. Colloids Surf B Biointerfaces 2018-08-29 [PMID: 30179804] (ICC, Human)



### **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 NBP2-37502**

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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)
H00001576-Q01-10ug	Recombinant Human Cytochrome P450 3A4 GST (N-Term) Protein

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### **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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