

# 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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**NBP2-37502**

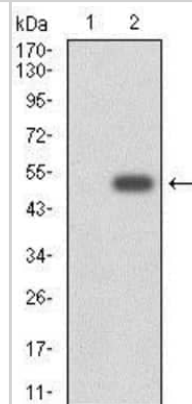
Cytochrome P450 3A4 Antibody (3H8) - BSA Free

| 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         |                                                                                                                                                                                                                                                                                                  |
| Description                 | Novus Biologicals Mouse Cytochrome P450 3A4 Antibody (3H8) - BSA Free (NBP2-37502) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Cytochrome P450 3A4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, 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.                                                                                                                                                                                                                                                                    |

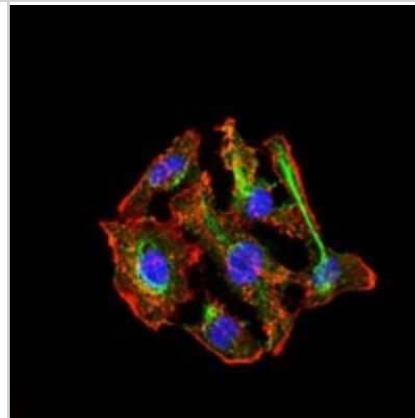


## Images

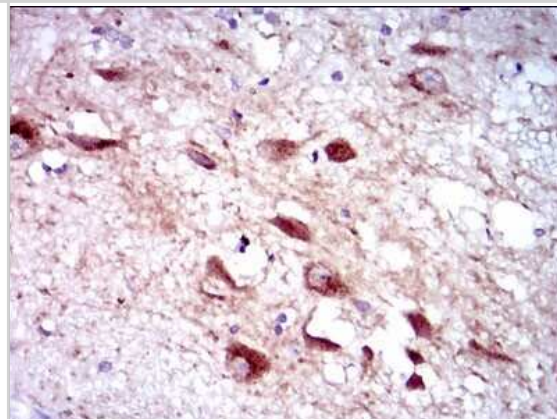
Western Blot: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis using CYP3A4 mAb against HEK293 (1) and CYP3A4 (AA: 243-430)-hlgGFc transfected HEK293 (2) cell lysate.



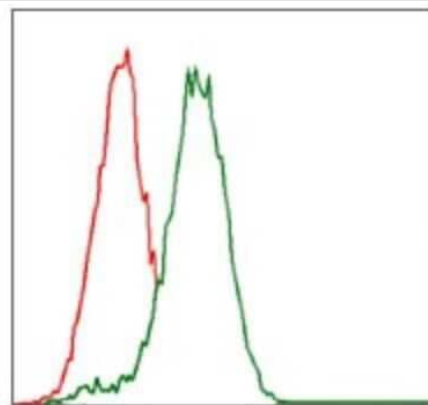
Immunocytochemistry/Immunofluorescence: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis of HepG2 cells using CYP3A4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



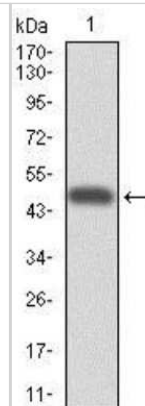
Immunohistochemistry-Paraffin: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis of human brain tissues using CYP3A4 mouse mAb with DAB staining.



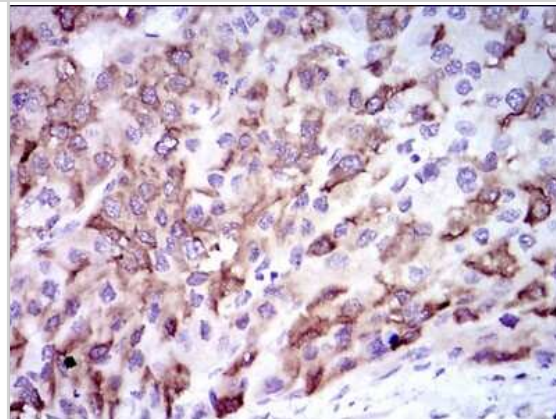
Flow Cytometry: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis of HepG2 cells using CYP3A4 mouse mAb (green) and negative control (red).



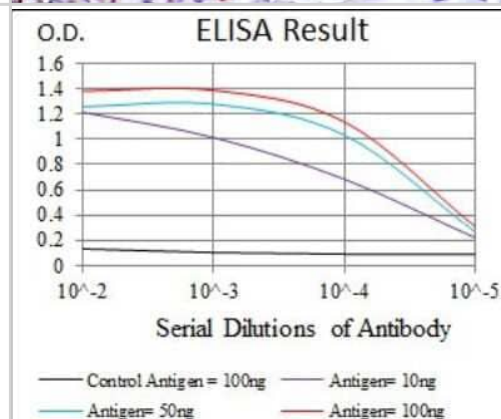
Western Blot: Cytochrome P450 3A4 Antibody (3H8) [NBP2-37502] - Analysis using CYP3A4 mAb against human CYP3A4 (AA: 243-430) recombinant protein. (Expected MW is 47.5 kDa)



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)



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### **Products Related to NBP2-37502**

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|                  |                                                    |
|------------------|----------------------------------------------------|
| NBP2-33376H      | Blue Marker Antibody (6F4-F6) [HRP]                |
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]       |
| NB7539           | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                   |

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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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