

# Product Datasheet

## Cytochrome P450 3A4 Antibody

### H00001576-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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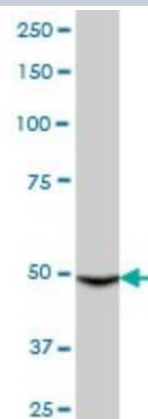
**H00001576-B01P****Cytochrome P450 3A4 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)
<b>Product Description</b>	
<b>Description</b>	Quality control test: Antibody reactive against mammalian transfected lysate.
<b>Host</b>	Mouse
<b>Gene ID</b>	1576
<b>Gene Symbol</b>	CYP3A4
<b>Species</b>	Human, Mouse, Canine
<b>Specificity/Sensitivity</b>	CYP3A4 - cytochrome P450, family 3, subfamily A, polypeptide 4,
<b>Immunogen</b>	CYP3A4 (AAI01632.1, 1 a.a. - 503 a.a.) full-length human protein. MALIPDLAMETWLLLA VSLVLLYLYGTHSHGLFKKLGIPGPTPLPFLGNILSYHK GFCMFDMECHKKYGKVWGFYDGGQPVLAITDPDMIKTVLVKECYSVFTNRRP FGPVGFMKSAISIAEDEEWKRLRSLLSPTFTSGKLKEMVPIIAQYGDVLVRNLRR EAETGKPVTLKDVFGAYSMDVITSTSFGVNIDSLNNPQDPFVENTKKLLRFDL DPFFLSITVFPFLIPILEVLNICVFPREVTNFLRKS VKRMKESRLED TQKHRVDFL QLMIDSQNSKETESHKALSDLELVAQSIIFIFAGYETTSSVLSFIMYELATHPDVQ QKLQEEIDAVLPNKAPPTYDTVLQMEYLDMMVNETLRLFP IAMRLERVCKKDVE INGMFIPKGVVVMIPSYALHRDPKYWTEPEKFLPERFSKKNKDIDPYIYTPFGS GPRNCIGMR FALMNMKLALIRVLQNFSFKPKKETQIPLKLSLGLLQPEKPVVL KVESRDGTVSGA
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control. It has been used for IHC-P.

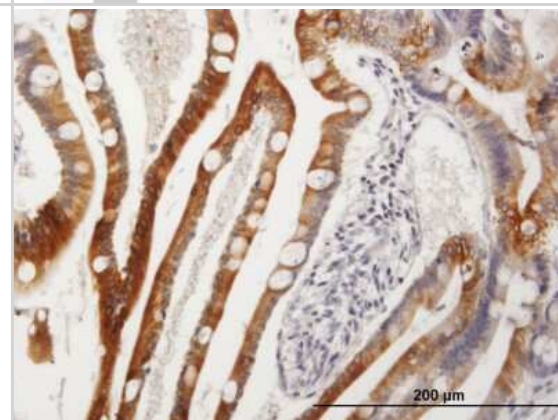


## Images

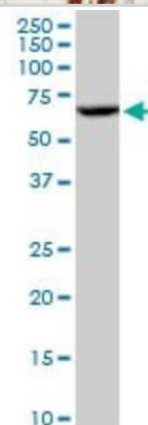
Western Blot: Cytochrome P450 3A4 Antibody [H00001576-B01P] - Analysis of CYP3A4 expression in human liver.



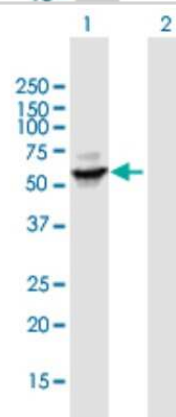
Immunohistochemistry-Paraffin: Cytochrome P450 3A4 Antibody [H00001576-B01P] - Analysis of purified antibody to CYP3A4 on formalin-fixed paraffin-embedded human small Intestine. (antibody concentration 3 ug/ml)



Western Blot: Cytochrome P450 3A4 Antibody [H00001576-B01P] - Analysis of CYP3A4 expression in HepG2.



Western Blot: Cytochrome P450 3A4 Antibody [H00001576-B01P] - Analysis of CYP3A4 expression in transfected 293T cell line by CYP3A4 polyclonal antibody. Lane 1: CYP3A4 transfected lysate(55.33 KDa). Lane 2: Non-transfected lysate.



## Publications

Niu Y, Fan S, Luo Q et al. Interaction of Hepatitis B Virus X Protein with the Pregnane X Receptor Enhances the Synergistic Effects of Aflatoxin B1 and Hepatitis B Virus on Promoting Hepatocarcinogenesis J Clin Transl Hepatol 2021-08-27 [PMID: 34447675]

Yamashita T, Honda M, Nio K et al. Oncostatin M Renders Epithelial Cell Adhesion Molecule-Positive Liver Cancer Stem Cells Sensitive to 5-Fluorouracil by Inducing Hepatocytic Differentiation. Cancer Res. 2010-05-18 [PMID: 20484035]

Fahrmayr C, König J, Auge D et al. Phase I and II metabolism and MRP2-mediated export of bosentan in a MDCKII-OATP1B1-CYP3A4-UGT1A1-MRP2 quadruple-transfected cell line. Br J Pharmacol. 2012-12-16 [PMID: 23387445]

Wiegand C, Hewitt NJ, Merk HF, Reisinger K. Dermal Xenobiotic Metabolism: A Comparison between Native Human Skin, Four in vitro Skin Test Systems and a Liver System. Skin Pharmacol Physiol. 2014-06-13 [PMID: 24943921]





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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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