

# Product Datasheet

## Cytochrome P450 1A1 Antibody H00001543-B01P

Unit Size: 0.05 mg

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

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**H00001543-B01P****Cytochrome P450 1A1 Antibody**

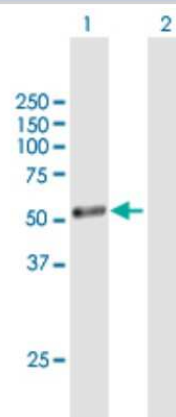
<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein G 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>	1543
<b>Gene Symbol</b>	CYP1A1
<b>Species</b>	Human
<b>Immunogen</b>	CYP1A1 (NP_000490.1, 1 a.a. - 512 a.a.) full-length human protein. MLFPISMSATEFLLASVIFCLVFWVIRASRPQVPKGLKNPPGPWGWPLIGHMLT LGKNPHLALSRMSQQYGVDLQIRIGSTPVVLSGLDTRQALVRQGDDFKGRP DLYTFTLISNGQSMSFSPDSGPVWAARRRLAQNGLKSFSIASDPASSTSCYLE EHVSKEAEVLISLTLQELMAGPGHFNPYRYVVSVTNVICAICFGRRYDHNHQEL LSLVNLNNNFGEVVGSGNPADFIPLRYLPNPSLNAFKDLNEKFYSFMQKMVKE HYKTFEKGHIRDITDSLIEHCQEKQLDENANVQLSDEKIINIVLDLFGAGFDTVTT AISWSLMYLMNPRVQRKIQEELDTVIGRSRRPRLSDRSHLPYMEAFILETFRH SSFVPFTIPHSTTRDTSLKGFYIPKGRCVFNQWQINHDQKLWVNPSEFLPERF LTPDGAIDKVLSEKVIIFGMGKRKCGETIARWEVFLFLAILLQRVEFSVPLGVKV DMTPYIYGLTMKHACCEHFQMLRS
<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
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	It has been used for WB and Functional.

## Images

Western Blot: Cytochrome P450 1A1 Antibody [H00001543-B01P] - Analysis of CYP1A1 expression in transfected 293T cell line by CYP1A1 polyclonal antibody. Lane 1: CYP1A1 transfected lysate(56.32 KDa). Lane 2: Non-transfected lysate.



## Publications

Zapletal O, Tylichova Z, Neřa J et al. Butyrate alters expression of cytochrome P450 1A1 and metabolism of benzo [a]pyrene via its histone deacetylase activity in colon epithelial cell models. Arch Toxicol 2016-01-09 [PMID: 27830268]

Kabatkova M, Zapletal O, Tylichova Z et al. Inhibition of b-catenin signalling promotes DNA damage elicited by benzo [a]pyrene in a model of human colon cancer cells via CYP1 deregulation. Mutagenesis. 2015-03-24 [PMID: 25805023]



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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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