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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CYP1A1 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00001543-B01P

規格 : [50 ug]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human CYP1A1 protein.

Immunogen: CYP1A1 (NP_000490.1, 1 a.a. ~ 512 a.a) full-length human protein.

Sequence:
 MLFPISMSATEFLLASVIFCLVFWIRASRPQVPKGLKNPPGPWGWPLIG
 HMLTLGKNPHLALSRMSQQYGDVLQIRIGSTPVVLSGLDITRQALVRQG
 DDFKGRPDLYFTLISNGQSMSFSPDSGPVWAARRRLAQNGLKSFASIAS
 DPASSTSCYLEEHVSKEAEVLISLQELMAGPGHFNPYRYVVSVTNVIC
 AICFGRRYDHNHQELLSLVNLNINNFGEVVGSGNPADFIPILRYLPNPSLNA
 FKDLNEKFYSFMQKMKVKEHYKTFEKGHIRDITDSLIEHCQEKQLDENANV
 QLSDEKIINVLDFGAGFDTVTTAISWSLMYLVMNPRVQRKIQEELDTVIG
 RRRRPRLSDRSHLPYMEAFILETFRHSSFVPFTIPHSTTRDTSLKGFYIPK
 GRCVFNQWQINHDQKLWVNPSEFLPERFLTPDGAIDKVLSEKVIIFGMG
 KRKICIGETIARWEVFLFLAILLQRVEFSVPLGVKVDMTPIYGLTMKHACCE
 HFQMQLRS

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

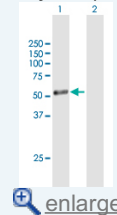
1. [Inhibition of \$\beta\$ -catenin signalling promotes DNA damage elicited by benzo\[a\]pyrene in a model of human colon cancer cells via CYP1 deregulation.](#)
 Kabatkova M, Zapletal O, Tylichova Z, Neca J, Machala M, Milcova A, Topinka J, Kozubik A, Vondracek J. *Mutagenesis*. 2015 Mar 24. pii: gev019.

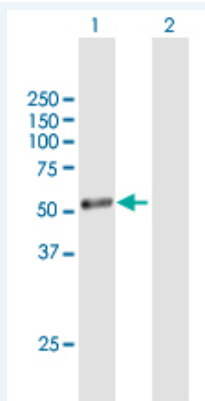
Applications

Western Blot (Transfected lysate)

Application Image


Western Blot (Transfected lysate)





Western Blot analysis of CYP1A1 expression in transfected 293T cell line ([H00001543-T01](#)) by CYP1A1 MaxPab polyclonal antibody.

Lane 1: CYP1A1 transfected lysate(56.32 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [1543](#)

GeneBank Accession#: [NM_000499.2](#)

Protein Accession#: [NP_000490.1](#)

Gene Name: CYP1A1

Gene Alias: AHH,AHRR,CP11,CYP1,P1-450,P450-C,P450DX

Gene Description: cytochrome P450, family 1, subfamily A, polypeptide 1

Omim ID: [108330](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene, CYP1A1, encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. The gene has been associated with lung cancer risk. A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15. [provided by RefSeq]

Other Designations: aryl hydrocarbon hydroxylase,cytochrome P1-450, dioxin-inducible,cytochrome P450 1A1,cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 1,flavoprotein-linked monooxygenase,xenobiotic monooxygenase

Gene Pathway

[Metabolism of xenobiotics by cytochrome P450](#) [Retinol metabolism](#) [Tryptophan metabolism](#)

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