



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## CYP3A5 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00001577-B01

規格 : [ 50 uL ]

[List All](#)

### Specification

**Product Description:** Mouse polyclonal antibody raised against a full-length human CYP3A5 protein.

**Immunogen:** CYP3A5 (AAH33862.1, 1 a.a. ~ 502 a.a) full-length human protein.

**Sequence:**  
 MDLIPNLAVETWLLLAVSLVLLYLGTRTHGLFKRLGIPGPTPLLLGNVL  
 SYRQGLWKFDETCYKKGKMMWGTYEGQLPVLAITDPDVIRTVLVKECYS  
 VFTNRRSLGPVGFMKSAISLAEDEEWKRIRSLLSPTFTSGKLEMFPIAQ  
 YGDVLRNLRREAEGKPVTLKDIFGAYSMDVITGTSGVNIIDSLNPNQD  
 PFVESTKKFLKFGFLDPLFSLIFPFLTPVFEALNVSLFPKDTINFLSKSVN  
 RMKKSRLNDKQKHRLDFLQLMDSQNSKETESHKALSDLELAAQSIIFIFA  
 GYETTSSVLSFTLYELATHPDVQQKLQKEIDAVLPNKAPPTYDAVQMEY  
 LDMVWNETLRLFPVAIRLERTCKKDVEINGVFIPKGSMMVIPTYALHHDPKY  
 WTEPEEFRPERFSKKKDSIDPYIYTPFGTGPRNCIGMRFALMNMKLALIR  
 VLQNFSPKPKETQIPLKLDTQGLLQPEKPIVLKVDSRDGTLSGE

**Host:** Mouse

**Reactivity:** Human

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

**Storage Buffer:** No additive

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

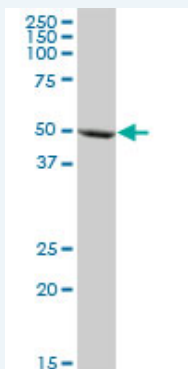
**Note:** For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

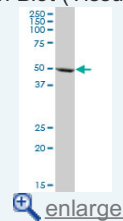
#### Western Blot (Tissue lysate)



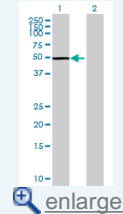
CYP3A5 MaxPab polyclonal antibody. Western Blot analysis of CYP3A5 expression in human liver.

### Application Image

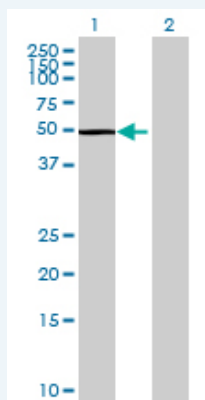
#### Western Blot (Tissue lysate)



#### Western Blot (Transfected lysate)



### Western Blot (Transfected lysate)



Western Blot analysis of CYP3A5 expression in transfected 293T cell line ([H00001577-T01](#)) by CYP3A5 MaxPab polyclonal antibody.

Lane1:CYP3A5 transfected lysate(55.22 KDa).

Lane2:Non-transfected lysate.

### Gene Information

Entrez GeneID: [1577](#)

GeneBank Accession#: [NM\\_000777.2](#)

Protein Accession#: [AAH33862.1](#)

Gene Name: CYP3A5

Gene Alias: CP35,P450PCN3,PCN3

Gene Description: cytochrome P450, family 3, subfamily A, polypeptide 5

Omim ID: [145500](#), [605325](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene,CYP3A5, 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 glucocorticoids and some pharmacological agents. The enzyme metabolizes drugs such as nifedipine and cyclosporine as well as the steroid hormones testosterone, progesterone and androstenedione. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. This cluster includes a pseudogene, CYP3A5P1, which is very similar to CYP3A5. This similarity has caused some difficulty in determining whether cloned sequences represent the gene or the pseudogene. [provided by RefSeq]

**Other Designations:** aryl hydrocarbon hydroxylase,cytochrome P-450,cytochrome P450, subfamily IIIA (nifedipine oxidase), polypeptide 5,flavoprotein-linked monooxygenase,microsomal monooxygenase,nifedipine oxidase,xenobiotic monooxygenase

### Gene Pathway

[Drug metabolism - cytochrome P450](#) [Drug metabolism - other enzymes](#)  
[gamma-Hexachlorocyclohexane degradation](#) [Linoleic acid metabolism](#) [Metabolic pathways](#)

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

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[Carcinoma, Ductal, Breast](#) [Carcinoma, Hepatocellular](#) [Carcinoma, Non-Small-Cell Lung](#)  
[Carcinoma, Renal Cell](#) [Carcinoma, Small Cell](#) [Carcinoma, Squamous Cell](#)

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