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- Mindermengenzuschlag
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- Expressversand

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CYP3A5 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00001577-B01P

規格 : [50 ug]

[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
 SYRQGLWKFDTECYKKYGKMWGTYEGQLPVLAITDPDVIRTVLVKECYS
 VFTNRRSLGPVGFMKSAISLAEDEEWKRIRSLLSPTFTSGKLEMFPIAQ
 YGDVLRNLRREAEGKPVTLKDIFGAYSMDVITGTSGVNDLNNPQD
 PFVESTKKFLKFGFLDPLFSLFPFLTPVFEALNVSLFPKDTINFLSKSVN
 RMKKSRLNDKQKHRLDFLQLMDSQNSKETESHKALSDLELAAQSIIFIFA
 GYETTSSVLSFTLYELATHPDVQQKLQKEIDAVLPNKAPPTYDAVVQMEY
 LDMVWNETLRLFPVAIRLERTCKKDVEINGVFIPKGSMMVIPTYALHHDPKY
 WTEPEEFRPERFSKKKDSIDPYITPFGTGPRNCIGMRFALMNMKLALIR
 VLQNFSPKPKETQIPLKLDLDTQGLLQPEKPIVLKVDSDRGTLSGE

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

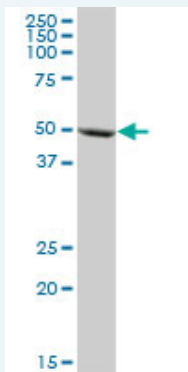
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Tissue lysate)



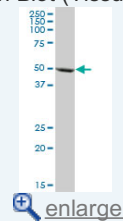
CYP3A5 MaxPab polyclonal antibody. Western Blot analysis of CYP3A5 expression in human liver.

[Protocol Download](#)

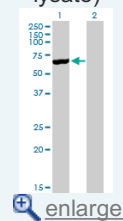
Western Blot (Transfected lysate)

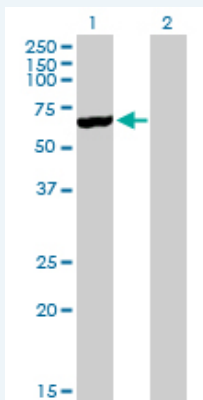
Application Image

Western Blot (Tissue 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.

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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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