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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CYP2A6 monoclonal antibody (M01), clone 3B11

Catalog # : H00001548-M01

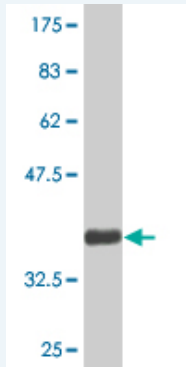
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant CYP2A6.
Immunogen:	CYP2A6 (AAH28215, 395 a.a. ~ 494 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LGSVLRDPSFFSNPQDFNPQHFLNEKGQFKKSDAFVPPFSIGKRNCFGELARMELFLFFTTVMQNFRLKSSQSPKDIDVSPKHVGFATIPRNYTMSFLPR
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

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 (Recombinant protein)

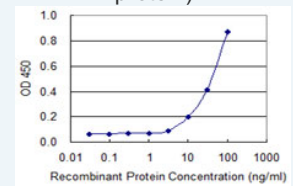
[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Application Image

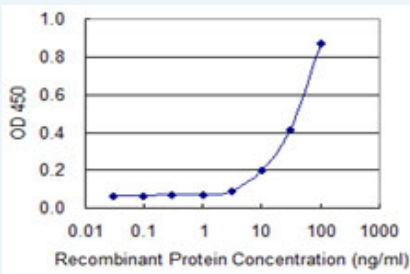
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)




[enlarge](#)

ELISA



Detection limit for recombinant GST tagged CYP2A6 is 3 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1548](#)

GeneBank [NG_000008](#)

Accession#:

Protein [AAH28215](#)

Accession#:

Gene Name: CYP2A6

Gene Alias: CPA6,CYP2A,CYP2A3,P450C2A,P450PB

Gene Description: cytochrome P450, family 2, subfamily A, polypeptide 6

Omim ID: [122700](#), [122720](#), [188890](#), [211980](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene, CYP2A6, 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 phenobarbital. The enzyme is known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. The gene was formerly referred to as CYP2A3; however, it has been renamed CYP2A6. [provided by RefSeq

Other Designations: coumarin 7-hydroxylase,cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 3,cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 6,flavoprotein-linked monooxygenase,xenobiotic monooxygenase

Gene Pathway

[Caffeine metabolism](#) [Drug metabolism - cytochrome P450](#)
[Drug metabolism - other enzymes](#) [Metabolic pathways](#) [Retinol metabolism](#)

Related Disease

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[Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Small Cell](#) [Carcinoma, Squamous Cell](#)
[Cell Transformation, Neoplastic](#) [Cocarcinogenesis](#) [Colorectal Neoplasms](#)
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[Genetics, Behavioral](#) [Genomic Instability](#)

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