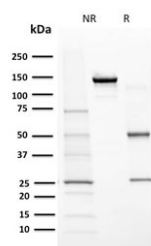


## CYP1A1/1A2 Antibody [clone MC1] (V7709)

Catalog No.	Formulation	Size
V7709-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7709-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7709SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	MC1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P04798
<b>Applications</b>	Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This CYP1A1/1A2 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CYP1A1/1A2 antibody (clone MC1) as confirmation of integrity and purity.

## Description

Cytochrome P450 oxidase (commonly abbreviated CYP) is a generic term for a large number of related, but distinct, oxidative enzymes important in vertebrate physiology. The cytochrome P450 mixed-function monooxygenase system is

probably the most important element of Phase I metabolism in mammals. P450s are membrane-bound, either in the inner membrane of mitochondria or in the endoplasmic reticulum of cells where they metabolise thousands of endogenous and exogenous compounds. In the liver, these substrates include toxins, drugs, and other unneeded and potentially harmful molecules. Humans have 18 families of cytochrome P450 genes and 43 subfamilies; the CYP1 family is involved in drug metabolism and includes 3 subfamilies, 3 genes and 1 pseudogene.

## Application Notes

Optimal dilution of the CYP1A1/1A2 antibody should be determined by the researcher.

## Immunogen

3-methylcholanthrene induced rat cytochrome P450 protein was used as the immunogen for the CYP1A1/1A2 antibody.

## Storage

Store the CYP1A1/1A2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).