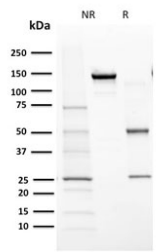
CYP1A1/1A2 Antibody / Cytochrome P450 1A1/1A2 [clone MC1] (V7709)

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

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



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

Description

CYP1A1/1A2 Antibody detects Cytochrome P450 1A1/1A2 protein. 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.

Explore our CYP1A1 Antibody / Xenobiotic Metabolism Enzyme Antibody page for additional information on CYP1A1 function in oxidative metabolism, detoxification, and metabolic adaptation.

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).

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