

Datasheet for ABIN6939223
anti-CYP1A1/2 antibody[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CYP1A1/2
Reactivity:	Rat, Human, Mouse, Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP1A1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	3-methylcholanthrene induced rat cytochrome P450 protein.
Clone:	MC1
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CYP1A1/2
Alternative Name:	CYP1A1 / CYP1A2 (CYP1A1/2 Products)
Background:	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

Target Details

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.

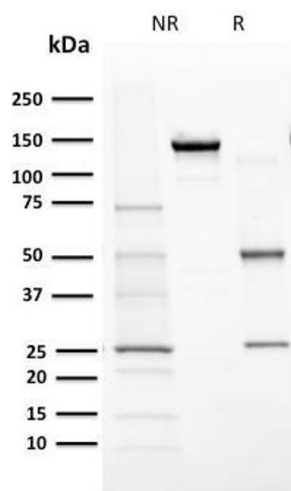
Molecular Weight:	58kDa
Gene ID:	1543, 1544
UniProt:	P04798 , P05177

Application Details

Application Notes:	Positive Control: HeLa cells. Liver or Cardiac muscle. Known Application: Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Cytochrome P450 1A1/1A2 Mouse Monoclonal Antibody (MC1). Confirmation of Purity and Integrity of Antibody.