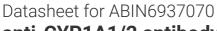
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anti-CYP1A1/2 antibody



Overview

Quantity:	100 μg
Target:	CYP1A1/2
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP1A1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	3-methylcholanthrene induced rat cytochrome P450 protein.
Clone:	MC1
Isotype:	IgG1 kappa
Specificity:	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.

Product Details Cross-Reactivity (Details): Human. Mouse. Rat. Primate. Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. **Target Details** CYP1A1/2 Target: Alternative Name: CYP1A1 / CYP1A2 (CYP1A1/2 Products) Background: Aryl hydrocarbon hydroxylase, CP11, CP12, CYP1A1, CYP1A2, CYPIA1, CYPIA2, CYIA1, CYPIA2, CYIA1, CYPIA2, CYIA1, CYPIA2, CYPIA1, CYPIA2, P450 family 1 subfamily A polypeptide 1, Cytochrome P450 family 1 subfamily A polypeptide 2, P1 450, P3 450, P450 form 4, P450 form 6, P450 P1, P450 P3, Cytochrome P450 1A1/1A2 Cellular localisation: Cytoplasmic Molecular Weight: 58kDa Gene ID: 1543, 1544, 437060 UniProt: P04798, P05177

Application Details	
Application Notes:	Known_Application: Immunofluorescence (1-2 μg/mL), Western Blot (1-2 μg/mL),
	Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of
	formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0,
	for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific
	application should be determined.
	Positive_Control: HeLa cells. Liver or Cardiac muscle.
Restrictions:	For Research Use only
Handling	
Concentration:	1.0 mg/mL

Concentration: 1.0 mg/mL Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide. Preservative: Azide free Storage: -20 °C,-80 °C Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. Expiry Date: 24 months