

Datasheet for ABIN7600773
anti-CYP2C8 antibody (AA 230-490)



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Overview

Quantity:	100 µg
Target:	CYP2C8
Binding Specificity:	AA 230-490
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP2C8 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CYP2C8 Antibody Picoband®
Immunogen:	E.coli-derived human CYP2C8 recombinant protein (Position: H230-V490).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CYP2C8 Antibody Picoband® (ABIN7600773). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CYP2C8
Alternative Name:	CYP2C8 (CYP2C8 Products)
Background:	<p>Synonyms: Hepatocyte growth factor-regulated tyrosine kinase substrate, Hrs, Protein pp110, HGS, HRS</p> <p>Tissue Specificity: Ubiquitous expression in adult and fetal tissues with higher expression in testis and peripheral blood leukocytes.</p> <p>Background: This gene 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 metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, benzo(a)pyrene, 7-ethoxycoumarin, and the anti-cancer drug taxol. This gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. Several transcript variants encoding a few different isoforms have been found for this gene.</p>
Molecular Weight:	50 kDa
Gene ID:	1558
UniProt:	P10632

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Backman, J. T., Filppula, A. M., Niemi, M., Neuvonen, P. J. Role of cytochrome P450 2C8 in drug metabolism and interactions. Pharmacol. Rev. 68: 168-241, 2016. 2. Fisslthaler, B., Popp, R., Kiss, L., Potente, M., Harder, D. R., Fleming, I., Busse, R. Cytochrome P450 2C is an EDHF synthase in coronary arteries. Nature 401: 493-497, 1999. 3. Gray, I. C., Nobile, C., Muresu, R., Ford, S., Spurr, N. K. A 2.4-megabase physical map spanning the CYP2C gene cluster on chromosome 10q24. Genomics 28: 328-332, 1995.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.