Datasheet for ABIN7603210

anti-CYP4F2 antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	CYP4F2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP4F2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-CYP4F2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human CYP4F2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-CYP4F2 Antibody Picoband® (ABIN7603210). Tested in WB applications. This antibody reacts with Human. 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:	CYP4F2
Alternative Name:	CYP4F2 (CYP4F2 Products)
Background:	Synonyms: CYP4F2, Cytochrome P450 4F2, EC 1.14.14.1, 20-hydroxyeicosatetraenoic acid synthase, 20-HETE synthase, Arachidonic acid omega-hydroxylase, CYPIVF2, Cytochrome P450-LTB-omega, Docosahexaenoic acid omega-hydroxylase, EC 1.14.14.79, Leukotriene-B(4 20-monooxygenase 1, Leukotriene-B(4 omega-hydroxylase 1, EC 1.14.14.94, Phylloquinone omega-hydroxylase CYP4F2, EC 1.14.14.78 Background: Cytochrome P450 4F2 is a protein that in humans is encoded by the CYP4F2 gene. 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. The enzyme starts the process of inactivating and degrading leukotriene B4, a potent mediator of inflammation. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F11, is approximately 16 kb away.
Molecular Weight:	50 kDa
Gene ID:	8529
UniProt:	P78329
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human 1. Caldwell, M. D., Awad, T., Johnson, J. A., Gage, B. F., Falkowski, M., Gardina, P., Hubbard, J., Turpaz, Y., Langaee, T. Y., Eby, C., King, C. R., Brower, A., Schmelzer, J. R., Glurich, I., Vidaillet, H. J., Yale, S. H., Zhang, K. Q., Berg, R. L., Bumester, J. K. CYP4F2 genetic variant alters required warfarin dose. Blood 111: 4106-4112, 2008. 2. Kikuta, Y., Miyauchi, Y., Kusunose, E., Kusunose, M. Expression and molecular cloning of human liver leukotriene B4 omega-hydroxylase (CYP4F2) gene. DNA Cell Biol. 18: 723-730, 1999. 3. Ross, K. A., Bigham, A. W., Edwards, M., Gozdzik, A., Suarez-Kurtz, G., Parra, E. J. Worldwide allele frequency distribution of four polymorphisms associated with warfarin dose requirements. J. Hum. Genet. 55: 582-589, 2010.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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 Na2HPO4.
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.