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Datasheet for ABIN561693

anti-CYP4F3 antibody (AA 100-198)

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Overview

Quantity:	50 µL
Target:	CYP4F3
Binding Specificity:	AA 100-198
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This CYP4F3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse polyclonal antibody raised against a partial recombinant CYP4F3.
Immunogen:	CYP4F3 (NP_000887, 100 a.a. ~ 198 a.a) partial recombinant protein with GST tag.
Sequence:	RIFHPTYIKP VLFAPAAIVP KDKVFYSFLK PWLGDGLLLS AGEKWSRHRR MLTPAFHFNI LKPYMKIFNE SVNIMHAKWQ LLASEGSARL DMFEHISLM
Cross-Reactivity:	Human, Mouse
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	CYP4F3
Alternative Name:	CYP4F3 (CYP4F3 Products)

Target Details

Background:	Full Gene Name: cytochrome P450, family 4, subfamily F, polypeptide 3 Synonyms: CPF3,CYP4F,LTB4H
Gene ID:	4051
NCBI Accession:	NM_000896
Pathways:	Steroid Hormone Biosynthesis , C21-Steroid Hormone Metabolic Process , Monocarboxylic Acid Catabolic Process

Application Details

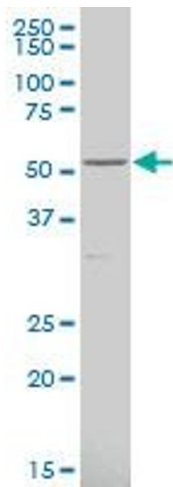
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	50 % glycerol
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

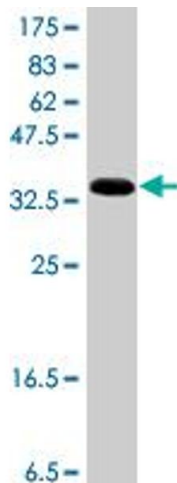
Publications

Product cited in:	<p>Uehara, Murayama, Nakanishi, Nakamura, Hashizume, Zeldin, Yamazaki, Uno: "Immunochemical quantification of cynomolgus CYP2J2, CYP4A and CYP4F enzymes in liver and small intestine." in: Xenobiotica; the fate of foreign compounds in biological systems, Vol. 45, Issue 2, pp. 124-30, (2014) (PubMed).</p> <p>Zhu, Wang, Yang, Guo, Li, Wang, Wang, Huang, Wang, Yang, Ma, Bi: "Comparison of toxicity of benzene metabolite hydroquinone in hematopoietic stem cells derived from murine embryonic yolk sac and adult bone marrow." in: PLoS ONE, Vol. 8, Issue 8, pp. e71153, (2013) (PubMed).</p> <p>Zhao, He, Bi, Xia, Tao, Li, Ma: "Induction of CYP4F3 by benzene metabolites in human white blood cells in vivo in human promyelocytic leukemic cell lines and ex vivo in human blood neutrophils." in: Drug metabolism and disposition: the biological fate of chemicals, Vol. 37, Issue 2, pp. 282-91, (2009) (PubMed).</p>
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Western Blotting

Image 1. CYP4F3 polyclonal antibody (A01), Lot # UNO2060310QCS1 Western Blot analysis of CYP4F3 expression in NIH/3T3 .



Western Blotting

Image 2. Western Blot detection against Immunogen (37 kDa) .