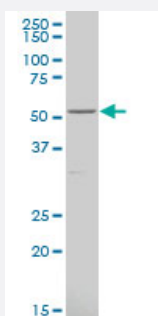


CYP4F3 polyclonal antibody (A01)

Catalog # H00004051-A01

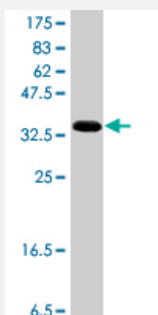
Size 50 uL

Applications



Western Blot (Cell lysate)

CYP4F3 polyclonal antibody (A01), Lot # UNO2060310QCS1 Western Blot analysis of CYP4F3 expression in NIH/3T3 (Cat # L018V1).



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description	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	RIFHPTYIKPVLFAAANPKDKVFYSFLKPWLGDGLLLSAGEKWSRHRRLTPAFHFNLKPYMKIF NESVNIMHAKWQLLASEGSARLDMFEHISLM
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (73); Rat (72)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CYP4F3 polyclonal antibody (A01), Lot # UNO2060310QCS1 Western Blot analysis of CYP4F3 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CYP4F3

Entrez GeneID

[4051](#)

GeneBank Accession#

[NM_000896](#)

Protein Accession#

[NP_000887](#)

Gene Name

CYP4F3

Gene Alias

CPF3, CYP4F, LTB4H

Gene Description

cytochrome P450, family 4, subfamily F, polypeptide 3

Omim ID

[601270](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene, CYP4F3, 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, CYP4F8, is approximately 18 kb away. [provided by RefSeq]

Other Designations

cytochrome P-450|cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase)|cytochrome P450-LTB-omega|leukotriene B4 omega hydroxylase|leukotriene-B4 20-monoxygenase

Publication Reference

- [Immunochemical quantification of cynomolgus CYP2J2, CYP4A and CYP4F enzymes in liver and small intestine.](#)

Uehara S, Murayama N, Nakanishi Y, Nakamura C, Hashizume T, Zeldin DC, Yamazaki H, Uno Y.

Xenobiotica 2015 Feb; 45(2):124.

Application: WB-Ti, Monkey, Liver, Small intestine

- [Comparison of toxicity of benzene metabolite hydroquinone in hematopoietic stem cells derived from murine embryonic yolk sac and adult bone marrow.](#)

Zhu J, Wang H, Yang S, Guo L, Li Z, Wang W, Wang S, Huang W, Wang L, Yang T, Ma Q, Bi Y.

PLoS One 2013 Aug; 8(8):e71153.

Application: WB-Ce, Mouse, BM-HSC, YS-HSC cells

- [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.](#)

Zhao Z, He X, Bi Y, Xia Y, Tao N, Li L, Ma Q.

Drug Metabolism and Disposition 2008 Nov; 37(2):282.

Application: Flow Cyt, WB, Human, Human blood neutrophils, HL-60, K562 cells

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)