

**DATASHEET**

**Cytochrome P450 4F3 Rabbit Polyclonal Antibody**

CAT. NO. APA19002

**KEY FEATURES**

Target	Cytochrome P450 4F3	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

A cytochrome P450 monooxygenase involved in the metabolism of various endogenous substrates, including fatty acids and their oxygenated derivatives (oxylipins). Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH-ferrihemoprotein reductase). May play a role in inactivation of pro-inflammatory and anti-inflammatory oxylipins during the resolution of inflammation.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:10 - 1:50

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to Cytochrome P450 4F3
Specificity	Recognizes endogenous levels of Cytochrome P450 4F3 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-terminal region of human Cytochrome P450 4F3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 59 kD; Observed: 63 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	LTB4H; Leukotriene-B(4) omega-hydroxylase 2; CYPIVF3; Cytochrome P450 4F3; Cytochrome P450-LTB-omega; Leukotriene-B(4) 20-monooxygenase 2
Gene Symbol	CYP4F3
Entrez Gene	4051(Human)
SwissProt	Q08477(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

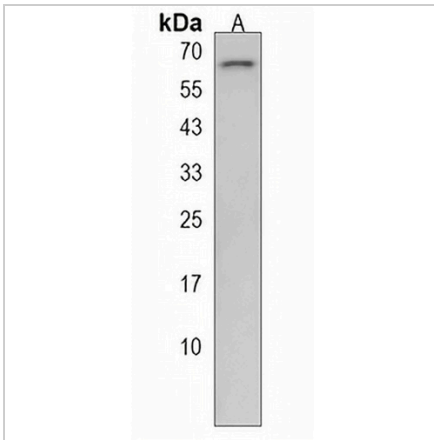
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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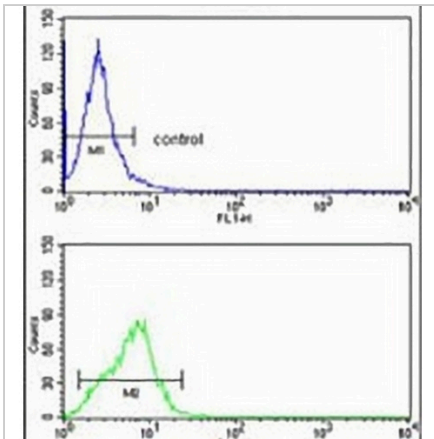
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**DATA**



Western blot analysis of Cytochrome P450 4F3 expression in K562 (A) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 63 kD)



Flow cytometric analysis of HepG2 cells using Anti-Cytochrome P450 4F3 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.