

CYP4F3 antibody

Product Information

Catalog No.:	FNab02173
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Isoform CYP4F3A: Catalyzes the omega-hydroxylation of leukotriene-B(4), a potent chemoattractant for polymorphonuclear leukocytes, it has low activity for arachidonic acid.

Isoform CYP4F3B: Shows arachidonic acid omega-hydroxylase activity by mediating conversion of arachidonic acid to 20-hydroxyeicosatetraenoic acid(20-HETE)(PubMed:11461919, PubMed:16820285). Has a 30-fold higher Km for leukotriene-B(4) compared with CYP4F3A(PubMed:11461919). Also converts eicosapentaenoate(EPA) to 20-hydroxyeicosapentaenoate(20-OH-EPA)(PubMed:16820285). Acts as a polyunsaturated omega-3 fatty acids hydroxylase: mediates conversion of docosahexaenoate(DHA) to 22-hydroxydocosahexaenoate(PubMed:16820285).

Immunogen information

Immunogen:	cytochrome P450, family 4, subfamily F, polypeptide 3
Synonyms:	Cytochrome P450 4F3 20-hydroxyeicosatetraenoic acid synthase (20-HETE synthase) CYP4F3 Cytochrome P450-LTB-omega Docosahexaenoic acid omega-hydroxylase CYP4F3 Leukotriene-B(4) 20-monooxygenase 2 Leukotriene-B(4) omega-hydroxylase 2 CYP4F3 LTB4H
Observed MW:	60 kDa
Uniprot ID :	Q08477

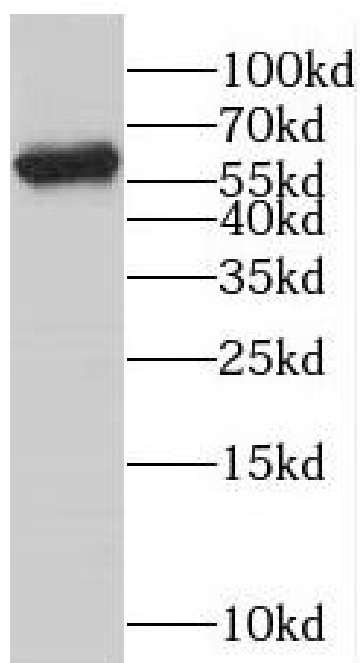
Application

Reactivity: Human

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



HL-60 cells were subjected to SDS PAGE followed by western blot with FNab02173(CYP4F3 Antibody) at dilution of 1:300