

Rabbit anti-Human CYP4F2 Polyclonal Antibody | anti-CYP4F2 antibody

CYP4F2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294613	Rabbit	Human	Immunohistochemistry, Western Blot

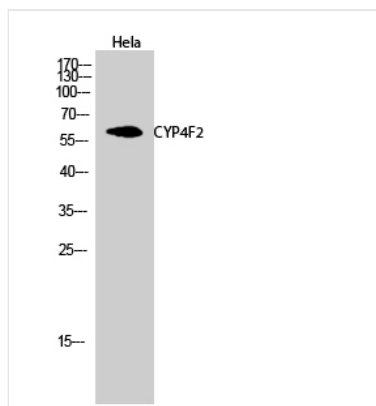
PRODUCT SYNONYMS

CYP4F2; Polyclonal Antibody; CYP4F2 Polyclonal Antibody; Leukotriene-B (4) omega-hydroxylase 1; CYP4F2; Cytochrome P450 4F2; Cytochrome P450-LTB-omega; Leukotriene-B (4) 20-monooxygenase 1; anti-CYP4F2 antibody

PRODUCT SPECIFICATIONS

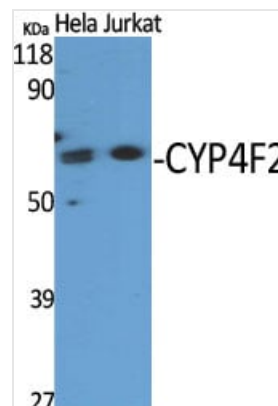
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Applicable Applications for anti-CYP4F2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	ECO:0000303 PubMed:10492403, ECO:0000312 HGNC: HGNC:2645
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



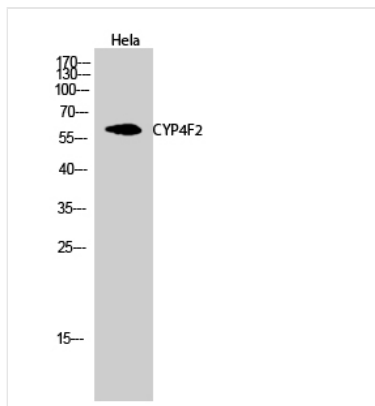
WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.



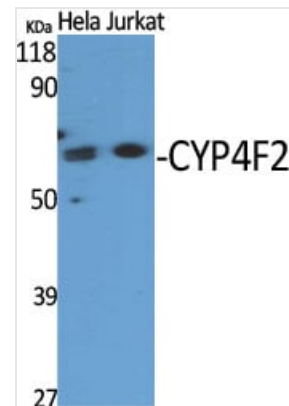
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ADDITIONAL INFORMATION

Related Product Information for anti-CYP4F2 antibody

Omega-hydroxylase that oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids and xenobiotics. Plays a key role in vitamin K catabolism by mediating omega-hydroxylation of vitamin K1 (phylloquinone), and menaquinone-4 (MK-4), a form of vitamin K2. Hydroxylation of phylloquinone and MK-4 probably regulates blood coagulation (PubMed:24138531). Also shows arachidonic acid omega-hydroxylase activity in kidney, by mediating conversion of arachidonic acid to 20-hydroxyeicosatetraenoic acid (20-HETE), possibly influencing blood pressure control (PubMed:17341693, PubMed:18574070). Also acts as a leukotriene-B (4) omega-hydroxylase by mediating conversion of leukotriene-B (4)(LTB4) to its omega-hydroxylated metabolite 20-hydroxyleukotriene- B (4)(20-OH LTB4)(PubMed:9799565).

NCBI AND UNIPROT INFORMATION

NCBI GI #	13435391
NCBI GeneID	8529
NCBI Accession #	NP_001073.3
NCBI GenBank Nucleotide #	NM_001082.4
UniProt Accession #	P78329; Q16677; Q6NWT4; Q6NWT6; Q9NNZ0; Q9UIU8; A0A024R7K3; A8K425; B4DV75
Molecular Weight	21,709 Da
NCBI Official Full Name	phylloquinone omega-hydroxylase CYP4F2
NCBI Official Synonym Full Names	cytochrome P450, family 4, subfamily F, polypeptide 2
NCBI Official Symbol	CYP4F2
NCBI Official Synonym Symbols	CPF2
NCBI Protein Information	phylloquinone omega-hydroxylase CYP4F2; CYP1VF2; 20-HETE synthase; cytochrome P450 4F2; cytochrome P450-LTB-omega; arachidonic acid omega-hydroxylase; leukotriene-B(4) 20-monooxygenase 1; leukotriene-B(4) omega-hydroxylase 1; 20-hydroxyeicosatetraenoic ac
UniProt Protein Name	Phylloquinone omega-hydroxylase CYP4F2
UniProt Gene Name	CYP4F2
UniProt Entry Name	CP4F2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.