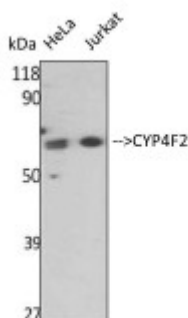


Anti-CYP4F2 antibody



Description	Rabbit polyclonal to CYP4F2.
Model	STJ92600
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human CYP4F2
Immunogen Region	10-90 aa, N-terminal
Gene ID	8529
Gene Symbol	CYP4F2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	CYP4F2 Polyclonal Antibody detects endogenous levels of CYP4F2 protein.
Tissue Specificity	Liver. Also present in kidney: specifically expressed in the S2 and S3 segments of proximal tubules in cortex and outer medulla .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Phylloquinone omega-hydroxylase CYP4F2 20-hydroxyeicosatetraenoic acid synthase 20-HETE synthase Arachidonic acid omega-hydroxylase CYP4F2 Cytochrome P450 4F2 Cytochrome P450-LTB-omega Leukotriene-B 4 20-mo
Molecular Weight	60 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:26450 MIM:122700
Alternative Names	Phylloquinone omega-hydroxylase CYP4F2 20-hydroxyeicosatetraenoic acid synthase 20-HETE synthase Arachidonic acid omega-hydroxylase CYP11B2 Cytochrome P450 4F2 Cytochrome P450-LTB-omega Leukotriene-B 4 20-mo
Function	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 . 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 . Also acts as a leukotriene-B(4) omega-hydroxylase by mediating conversion of leukotriene-B(4) (LTB4) to its omega-hydroxylated metabolite 20-hydroxy leukotriene-B(4) (20-OH LTB4) .
Cellular Localization	Microsome membrane Endoplasmic reticulum membrane