

CYP4F2 rabbit pAb**Cat#: orb764986 (Manual)**

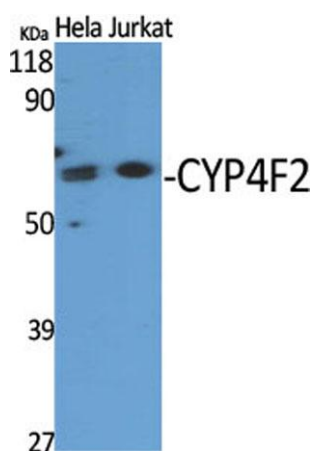
For research use only. Not intended for diagnostic use.

Product Name	CYP4F2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CYP4F2. AA range:41-90
Specificity	CYP4F2 Polyclonal Antibody detects endogenous levels of CYP4F2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Leukotriene-B(4) omega-hydroxylase 1
Gene Name	CYP4F2
Cellular localization	Microsome membrane ; Peripheral membrane protein . Endoplasmic reticulum membrane ; Peripheral membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

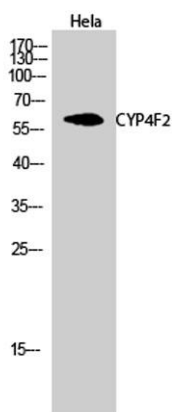
Concentration	1 mg/ml
Observed band	60kD
Human Gene ID	8529
Human Swiss-Prot Number	P78329
Alternative Names	CYP4F2; Leukotriene-B(4) omega-hydroxylase 1; CYP4F2; Cytochrome P450 4F2; Cytochrome P450-LTB-omega; Leukotriene-B(4) 20-monooxygenase 1

Background

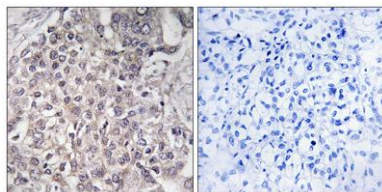
This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. The enzyme 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, CYP4F11, is approximately 16 kb away. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using CYP4F2 Polyclonal Antibody



Western Blot analysis of HeLa cells using CYP4F2 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma, using Cytochrome P450 4F2 Antibody. The picture on the right is blocked with the synthesized peptide.