



Mouse anti-Human CYP2J2 polyclonal antibody (DPAB-DC688)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 and is thought to be the predominant enzyme responsible for epoxidation of endogenous arachidonic acid in cardiac tissue.
Immunogen	CYP2J2 (NP_000766, 408 a.a. ~ 498 a.a) partial recombinant protein with GST tag. The sequence is LHRDPTEWATPDTFNPDHFLENGQFKKREAFMPFSIGKRACLGQLARTELFIFFTSLMQ KFTFRPPNNEKLSLKFRMGINISPVSHRLCA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CYP2J2 cytochrome P450, family 2, subfamily J, polypeptide 2 [Homo sapiens (human)]
Official Symbol	CYP2J2
Synonyms	CYP2J2; cytochrome P450, family 2, subfamily J, polypeptide 2; CPJ2; cytochrome P450 2J2; CYP1J2; microsomal monooxygenase; arachidonic acid epoxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIJ (arachidonic acid epoxygenase) polypeptide 2;
Entrez Gene ID	1573
Protein Refseq	NP_000766
UniProt ID	P51589
Chromosome Location	1p31.3-p31.2
Pathway	Arachidonate Epoxygenase / Epoxide Hydrolase; Arachidonic acid metabolism; Cytochrome P450 - arranged by substrate type; Inflammatory mediator regulation of TRP channels
Function	arachidonic acid 11,12-epoxygenase activity; arachidonic acid 14,15-epoxygenase activity; arachidonic acid epoxygenase activity; aromatase activity
