



Rabbit Anti-CYP2U1 antibody

SL14153R

Product Name:	CYP2U1
Chinese Name:	细胞色素P450 2U1抗体
Alias:	CP2U1_HUMAN; CYP2U 1; CYP2U1; Cytochrome P450 2U1; Cytochrome P450, family 2, subfamily U, polypeptide 1; EC 1.14.14.1; P450TEC.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	62kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CYP2U1:151-250/544
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 enzyme is a hydroxylase that metabolizes arachidonic acid, docosahexaenoic acid, and other long chain fatty acids. [provided by RefSeq, Jul 2008]

Function:

Catalyzes the hydroxylation of arachidonic acid, docosahexaenoic acid and other long chain fatty acids. May modulate the arachidonic acid signaling pathway and play a role in other fatty acid signaling processes.

Subcellular Location:

Endoplasmic reticulum membrane. Microsome membrane.

Tissue Specificity:

Widely expressed with stronger expression in thymus, heart and cerebellum.

Similarity:

Belongs to the cytochrome P450 family.

SWISS:

Q7Z449

Gene ID:

113612

Database links:

[Entrez Gene: 113612](#) Human

[Oimim: 610670](#) Human

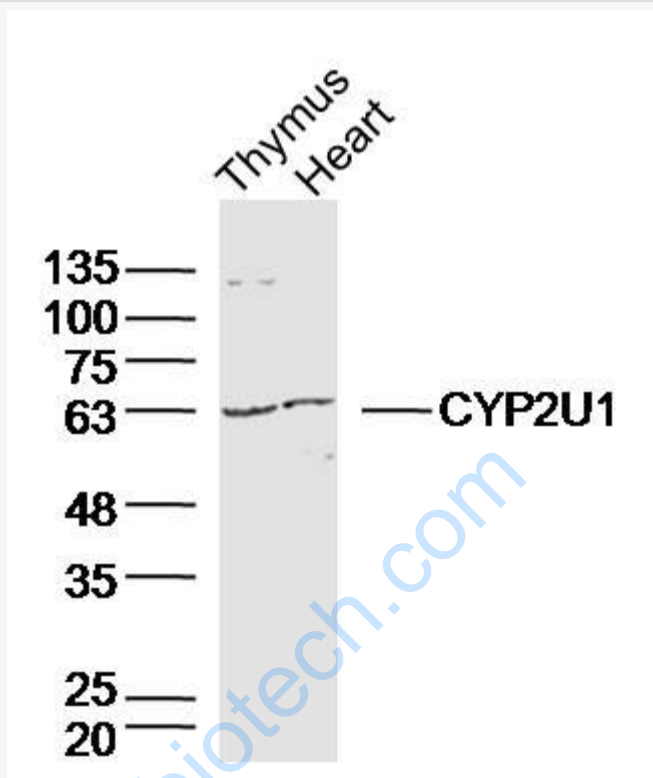
[SwissProt: Q7Z449](#) Human

[Unigene: 109087](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Thymus (Mouse) Lysate at 40 ug

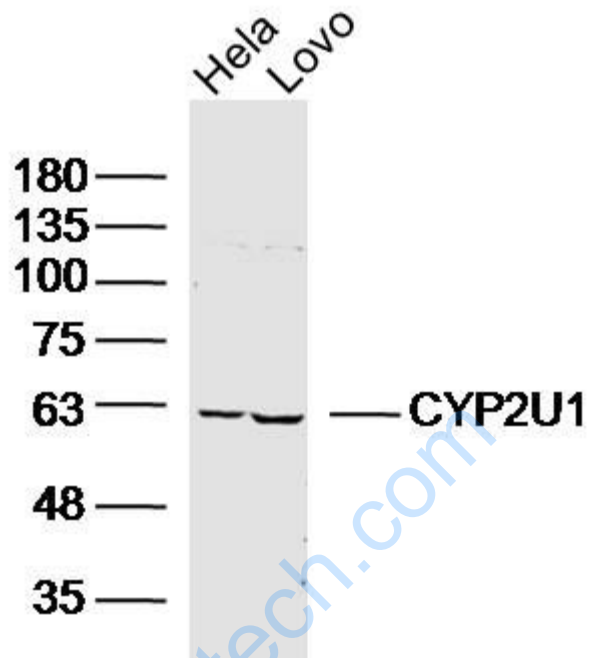
Heart (Mouse) Lysate at 40 ug

Primary: Anti-CYP2U1(SL14153R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62kD

Observed band size: 63kD



Sample:

Hela Cell(Human)Lysate at 30 ug

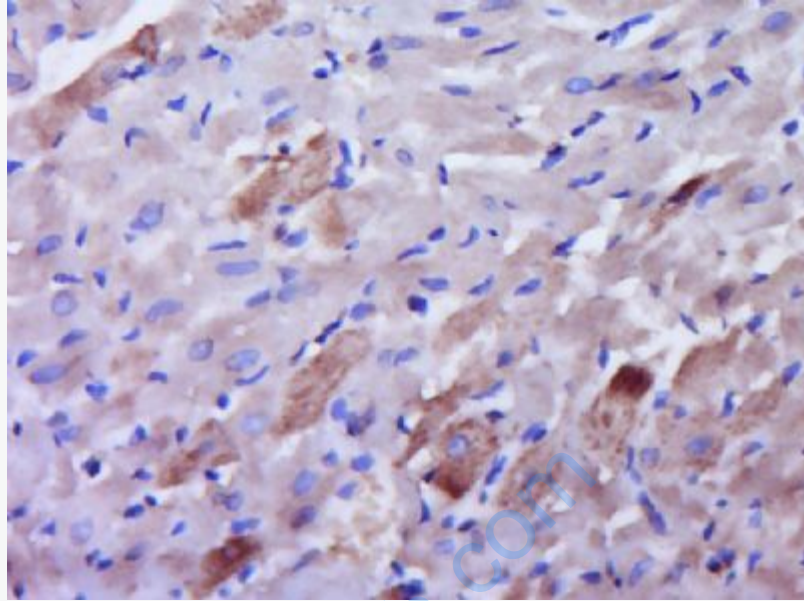
Lovo Cell(Human)Lysate at 30 ug

Primary: Anti- CYP2U1 (SL14153R)at 1/300 dilution

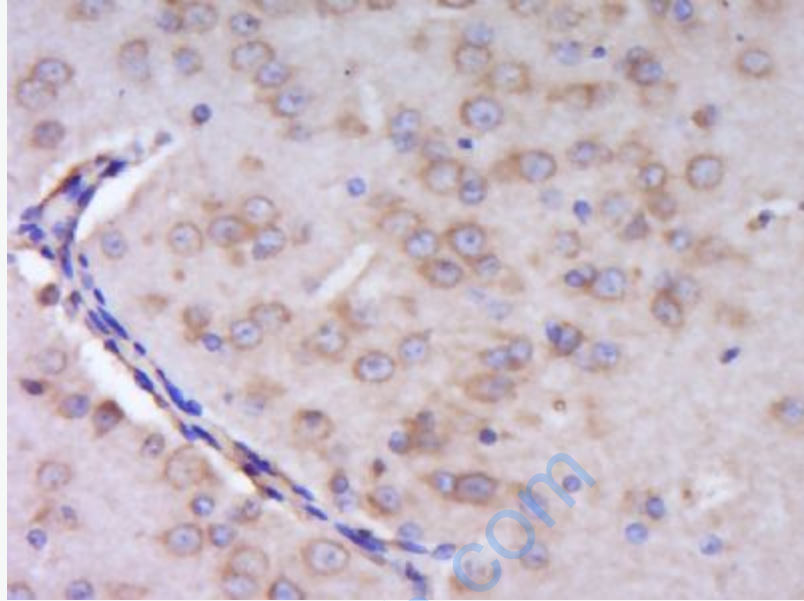
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62kD

Observed band size: 62kD



Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CYP2U1) Polyclonal Antibody, Unconjugated (SL14153R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CYP2U1) Polyclonal Antibody, Unconjugated (SL14153R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.