



Rabbit Anti-CYP2A7 antibody

SL14149R

Product Name:	CYP2A7
Chinese Name:	细胞色素P450 2A7抗体
Alias:	CP2A7_HUMAN; CPA7; CPAD; CYP2A 7; CYP2A; CYP2A7; CYP2A7; CYPIIA7; Cytochrome P450 2A7; Cytochrome P450 family 2 subfamily A polypeptide 7; Cytochrome P450 IIA4; Cytochrome P450 subfamily IIA (phenobarbital inducible) polypeptide 7; Cytochrome P450IIA4; P450 IIA4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
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:	56kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CYP2A7:101-200/494
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 protein localizes to the endoplasmic reticulum; its substrate has not yet been

determined. This gene, which produces two transcript variants, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. [provided by RefSeq, Jul 2008]

Function:

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.

Subcellular Location:

Endoplasmic reticulum membrane. Microsome membrane.

Similarity:

Belongs to the cytochrome P450 family.

SWISS:

P20853

Gene ID:

1549

Database links:

[Entrez Gene: 1549](#) Human

[Omim: 608054](#) Human

[SwissProt: P20853](#) Human

[Unigene: 719890](#) Human

Important Note:

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