

## Product datasheet for **TA346219**

### CYP3A7 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CYP3A7 antibody: synthetic peptide directed towards the middle region of human CYP3A7. Synthetic peptide located within the following region: KSVKQIKEGRLKETQKHRVDFLQLMIDSQNSKDSETHKALSDLELMAQSI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	cytochrome P450 family 3 subfamily A member 7
Database Link:	<a href="#">NP_000756</a> <a href="#">Entrez Gene 1551 Human</a> <a href="#">P24462</a>



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**Background:**

CYP3A7 is 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 hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. The enzyme also metabolizes some drugs such as aflatoxin B1. This gene, CYP3A7, 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 hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. The enzyme also metabolizes some drugs such as aflatoxin B1. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Transcript variants have been described, but it is not known whether these transcripts are normally produced.

**Synonyms:**

CP37; CYP11A7; P-450(HFL33); P-450111A7; P450-HFLA

**Note:**

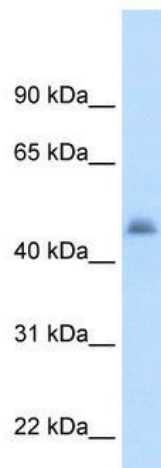
Immunogen Sequence Homology: Human: 100%; Rat: 85%; Pig: 83%; Guinea pig: 83%; Bovine: 77%; Dog: 75%

**Protein Families:**

Druggable Genome, P450, Transmembrane

**Protein Pathways:**

Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Linoleic acid metabolism, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism

**Product images:**

WB Suggested Anti-CYP3A7 Antibody Titration:  
2.5 ug/ml; Positive Control: Human Liver