

## Product datasheet for **TA338622**

### CYP3A43 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-CYP3A43 antibody: synthetic peptide directed towards the C terminal of human CYP3A43. Synthetic peptide located within the following region: IYALHHDPKYWTEPEKFCPESRFSKKNKDSIDLRYIPFGAGPRNCIGMR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	cytochrome P450 family 3 subfamily A member 43
Database Link:	<a href="#">NP_073731</a> <a href="#">Entrez Gene 64816 Human</a> <a href="#">Q9HB55</a>



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<b>Background:</b>	<p>CYP3A43 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 has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms. 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 has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms.</p>
<b>Synonyms:</b>	MGC119315; MGC119316
<b>Note:</b>	Immunogen Sequence Homology: Human: 100%; Pig: 92%; Rat: 92%; Horse: 92%; Sheep: 92%; Bovine: 92%; Dog: 86%; Goat: 85%; Mouse: 85%; Rabbit: 85%; Guinea pig: 80%
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	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-CYP3A43 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive  
Control: Human Liver