

## Product datasheet for **TA346224**

### Cytochrome p450 2C19 (CYP2C19) 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-CYP2C19 antibody: synthetic peptide directed towards the middle region of human CYP2C19. Synthetic peptide located within the following region: QEEIERVIGRNRSPCMQDRGHMPYTDVVHEVQRYIDLIPSLPHAVTCD
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>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	cytochrome P450 family 2 subfamily C member 19
Database Link:	<a href="#">NP_000760</a> <a href="#">Entrez Gene 1557 Human</a> <a href="#">P33261</a>



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**Background:**

CYP2C19 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 protein localizes to the endoplasmic reticulum and is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes. 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 known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:**

CPCJ; CYP2C; CYP11C17; CYP11C19; P450C2C; P45011C19

**Note:**

Immunogen Sequence Homology: Human: 100%; Horse: 93%; Mouse: 93%; Rabbit: 93%; Pig: 92%; Rat: 92%; Dog: 86%; Sheep: 86%; Bovine: 86%; Guinea pig: 86%; Goat: 75%

**Protein Families:**

Druggable Genome

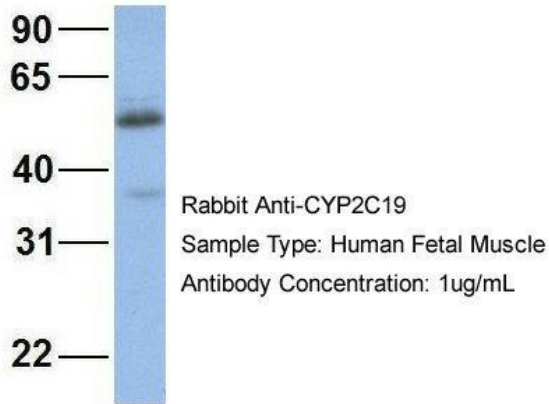
**Protein Pathways:**

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

**Product images:**

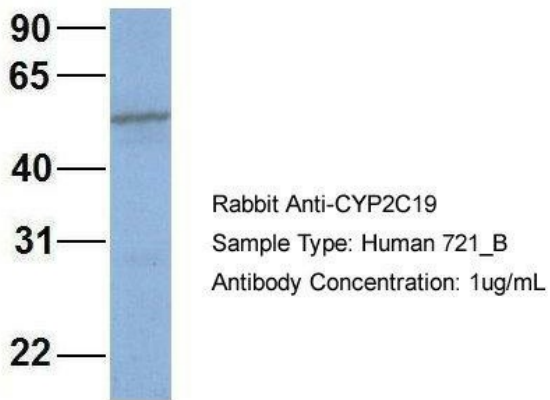
WB Suggested Anti-CYP2C19 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive  
Control: Human Placenta

## CYP2C19



2Hum. Fetal Muscle; Host: Rabbit; Target Name: NOP56; Sample Tissue: Human Fetal Muscle; Antibody Dilution: 1.0 ug/ml

## CYP2C19



3Human 721\_B; Host: Rabbit; Target Name: WT1; Sample Tissue: 721\_B; Antibody Dilution: 1.0 ug/ml; CYP2C19 is supported by BioGPS gene expression data to be expressed in 721\_B