

Product datasheet for **AP17267PU-N**

Cytochrome p450 2C19 (CYP2C19) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/1000. ELISA: 1/1,000. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 257-285 amino acids from the Central region of Human CYP2C19.
Specificity:	This antibody detects CYP2C19 at Center.
Formulation:	PBS with 0.09% (W/V) Sodium Azide State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cytochrome P450 family 2 subfamily C member 19
Database Link:	Entrez Gene 1557 Human P33261



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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 its gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes.

Synonyms: Cytochrome P450 2C19, CYPIIC17, CYPIIC19, Cytochrome P450-254C

Note: Molecular weight: 55931 Da

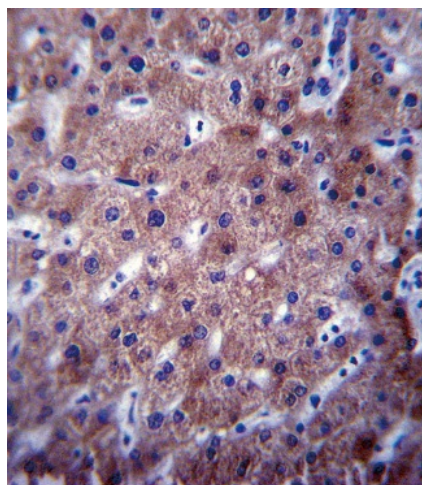
Protein Families: Druggable Genome

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

Product images:



Western blot analysis of CYP2C19 Antibody (Center) in Jurkat cell line lysates (35 ug/lane). CYP2C19 (arrow) was detected using the purified Pab.



Immunohistochemistry analysis of CYP2C19 Antibody (Center) in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP2C19 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.