

CYP2C19 Polyclonal Antibody

Catalog NumberPA5-25906

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 82-108 amino acids from the N-terminal region of human CYP2C19	Immunocytochemistry (ICC/IF)	1:10-1:50
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	2.0 mg/mL		
Purification	Ammonium sulfate precipitation, Size-exclusion - Dialysis		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

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.

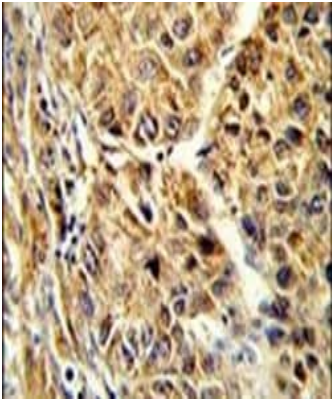
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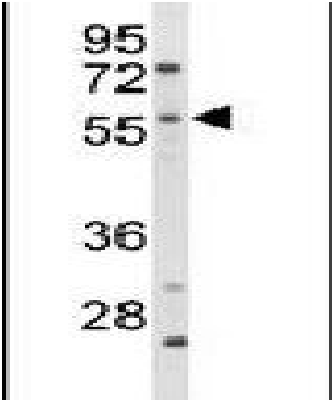
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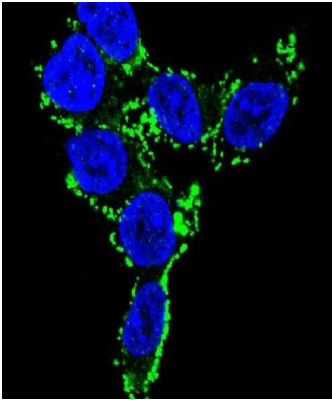
Product Images For CYP2C19 Polyclonal Antibody



**CYP2C19 Antibody (PA5-25906) in IHC (P)**  
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human hepatocarcinoma tissue using a CYP2C19 polyclonal antibody (Product # PA5-25906), followed by HRP-conjugated secondary antibody and DAB staining.



**CYP2C19 Antibody (PA5-25906) in WB**  
Western blot analysis using a CYP2C19 polyclonal antibody (Product # PA5-25906) in HL-60 cell lysates (35 µg per lane).



**CYP2C19 Antibody (PA5-25906) in ICC/IF**  
Immunofluorescent analysis of 293 cells using a CYP2C19 polyclonal antibody (Product # PA5-25906) at a dilution of 1:10-50, followed by a fluor-conjugated goat anti-rabbit secondary antibody (green). Nuclei were stained with DAPI (blue).

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