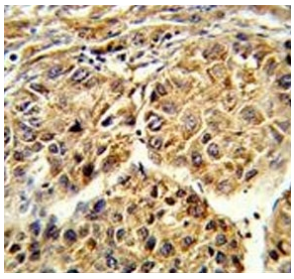
Cytochrome p450 2C19 Antibody / CYP2C19 (F54877)

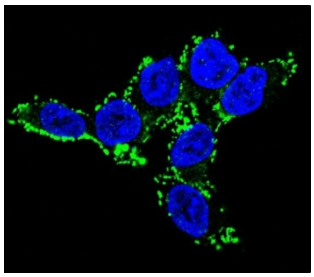
Catalog No.	Formulation	Size
F54877-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54877-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

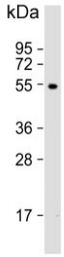
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P33261
Localization	Cytoplasmic
Applications	Immunofluorescence: 1:10-1:50 Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This Cytochrome p450 2C19 antibody is available for research use only.



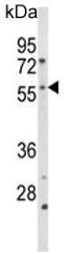
IHC testing of FFPE human hepatocellular carcinoma tissue with Cytochrome p450 2C19 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HEK293 cells with Cytochrome p450 2C19 antibody (green) and DAPI nuclear stain (blue).



Western blot testing of human liver tissue lysate with Cytochrome p450 2C19 antibody. Predicted molecular weight ~56 kDa.



Western blot testing of human HL60 cell lysate with Cytochrome p450 2C19 antibody. Predicted molecular weight ~56 kDa.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Cytochrome p450 2C19 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 82-108 from the human protein was used as the immunogen for the Cytochrome p450 2C19 antibody.

Storage

Aliquot the Cytochrome p450 2C19 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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