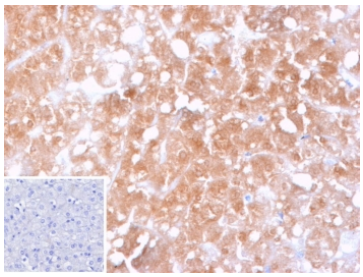
CYP2C9 Antibody / Cytochrome P450 2C9 [clone CYP2C9/13121] (V5682)

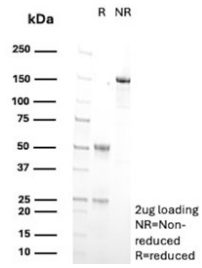
Catalog No.	Formulation	Size
V5682-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5682-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5682SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CYP2C9/13121
Purity	Protein G affinity
UniProt	P11712
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This CYP2C9 antibody is available for research use only.



IHC staining of FFPE human hepatocellular carcinoma tissue with CYP2C9 antibody (clone CYP2C9/13121). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CYP2C9 antibody (clone CYP2C9/13121) as confirmation of integrity and purity.

Description

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 its expression is induced by rifampin. The enzyme is known to metabolize many xenobiotics, including phenytoin, tolbutamide, ibuprofen and S-warfarin. Studies identifying individuals who are poor metabolizers of phenytoin and tolbutamide suggest that this gene is polymorphic. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24.

Application Notes

Optimal dilution of the CYP2C9 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 from the human protein was used as the immunogen for the CYP2C9 antibody.

Storage

Aliquot the CYP2C9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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