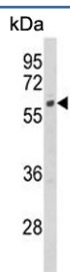


## CYP7B1 Antibody (F55002)

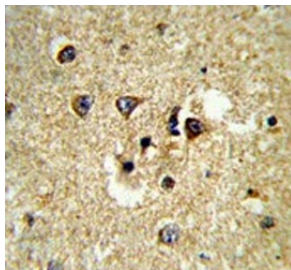
Catalog No.	Formulation	Size
F55002-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55002-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

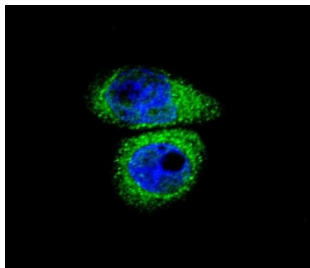
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	O75881
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1:500-1:1000 Immunofluorescence : 1:10-1:50 Immunohistochemistry (FFPE) : 1:50-1:100 Flow Cytometry : 1:10-1:50 (1x10 <sup>6</sup> cells)
<b>Limitations</b>	This CYP7B1 antibody is available for research use only.



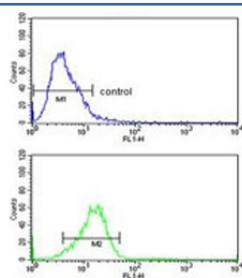
Western blot testing of human HeLa cell lysate with CYP7B1 antibody. Predicted molecular weight ~58 kDa.



IHC testing of FFPE human brain tissue with CYP7B1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with CYP7B1 antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human HeLa cells with CYP7B1 antibody; Blue=isotype control, Green= CYP7B1 antibody.

## Description

CYP7B1 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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the CYP7B1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 252-281 from the human protein was used as the immunogen for the CYP7B1 antibody.

## Storage

Aliquot the CYP7B1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

