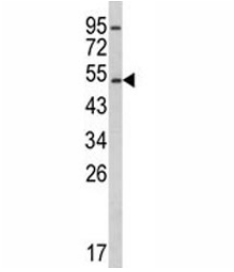
CYP2E1 Antibody (F51257)

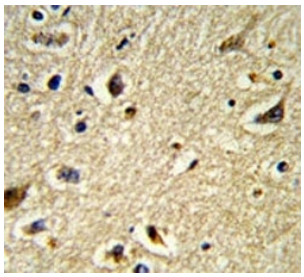
Catalog No.	Formulation	Size
F51257-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51257-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

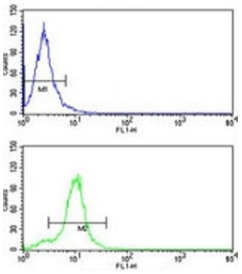
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P05181
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50
Limitations	This CYP2E1 antibody is available for research use only.



Western blot analysis of CYP2E1 antibody and K562 lysate. Predicted molecular weight ~56 kDa.



IHC analysis of FFPE human brain tissue stained with CYP2E1 antibody



CYP2E1 antibody flow cytometry analysis of HepG2 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

CYP2E1 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 induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer.

Application Notes

Titration of the CYP2E1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 402-429 from the human protein was used as the immunogen for this CYP2E1 antibody.

Storage

Aliquot the CYP2E1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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