



Anti-Cytochrome P450 7B1 Antibody (Clone M17-P3F2)

Alternative Names: 25-hydroxycholesterol 7-alpha-hydroxylase, CP7B, CP7B1, oxysterol 7-alpha-hydroxylase, CYP450 7B1

Catalogue Number: AX17-10008-50ug

Size: 50 µg

Background Information

Cytochrome P450 7B1 (25-hydroxycholesterol 7alpha-hydroxylase) is a member of the cytochrome P450 superfamily of enzymes involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. In the liver CYP7B1 most likely only plays a minor role in total bile acid synthesis, providing an alternate acidic pathway for the formation of bile acids through cholesterol degradation. In the brain CYP7B1 is important in the metabolism of brain cholesterol. As there is little or no transfer of cholesterol across the blood-brain barrier, cholesterol must be produced in the brain locally, and CYP7B1 is important in maintaining the precise balance between the biosynthesis, storage, and catabolism of cholesterol metabolites.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgG1 lambda	Species Reactivity:	Human
Immunogen:	Ovalbumin-conjugated synthetic peptide from the C-terminal region of Human		
Format:	50 µg in 50 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	ELISA IHC WB		

Additional Information

Subcellular location:	Endoplasmic reticulum	MW:	59kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	9420	Uniprot ID:	O75881



References

Swan et al. 2016. Oncotarget. .: PMID: 27341022.
