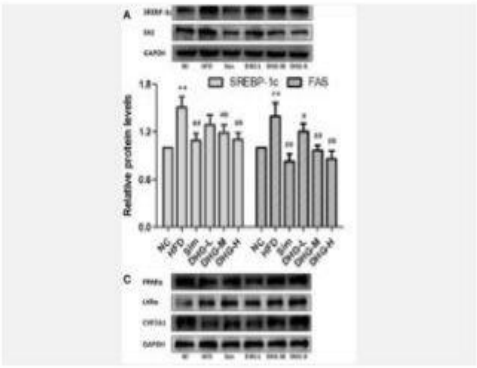
PRODUCT DATA SHEET

CYP7A1 Monoclonal Antibody

Catalog No.	IMB0094
Reactivity	Human
Applications	WB
Gene Name	CYP7A1
Protein Name	Cholesterol 7-alpha-monooxygenase
Human Gene Id	1581
Swiss-Prot	P22680
Formulation	PurIF:ied mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Dilution	WB: 1:1000-1:2000
PurIF:ication	Affinity purIF:ication
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Background	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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis. [provided by RefSeq, Feb 2010],
Subcellular Location.	Endoplasmic reticulum membrane; Single-pass membrane protein. Microsome membrane; Single-pass membrane protein.
BiowMW	-

Products Images:



Chen, Kuikui, et al. "Investigation of the lipid-lowering mechanisms and active ingredients of Danhe granule on hyperlipidemia based on systems pharmacology." Frontiers in pharmacology 11 (2020): 528.

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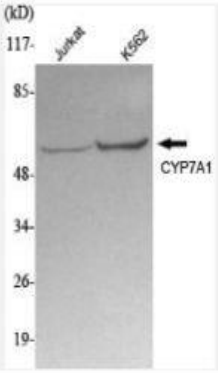

Western Blot analysis using CYP7A1 Monoclonal Antibody against Jurkat, K562 cell lysate.