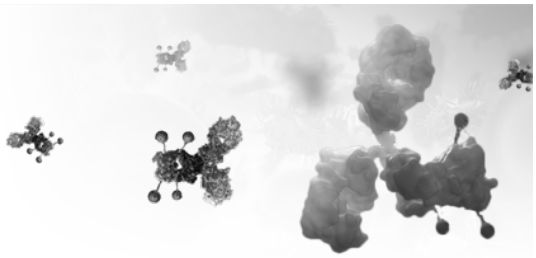

Human CYP7B1 blocking peptide (CDBP0942)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CYP7B1 antibody
Antigen 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 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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	CYP7B1 cytochrome P450, family 7, subfamily B, polypeptide 1 [Homo sapiens]
Official Symbol	CYP7B1
Synonyms	CYP7B1; cytochrome P450, family 7, subfamily B, polypeptide 1; cytochrome P450, subfamily

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	VIIB (oxysterol 7 alpha hydroxylase), polypeptide 1 , spastic paraplegia 5A (autosomal recessive) , SPG5A; 25-hydroxycholesterol 7-alpha-hydroxylase; cytochrome P450 7B1; oxysterol 7alpha-hydroxylase; oxysterol 7-alpha-hydroxylase; cytochrome P450, subfamily VIIB (oxysterol 7 alpha-hydroxylase), polypeptide 1; CP7B; CBAS3; SPG5A;
Entrez Gene ID	9420
mRNA Refseq	NM_004820
Protein Refseq	NP_004811
UniProt ID	O75881
Chromosome Location	8q21.3
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Endogenous sterols, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Phase 1 - Functionalization of compounds, organism-specific biosystem;
Function	25-hydroxycholesterol 7alpha-hydroxylase activity; electron carrier activity; heme binding; metal ion binding; monooxygenase activity; oxysterol 7-alpha-hydroxylase activity;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221