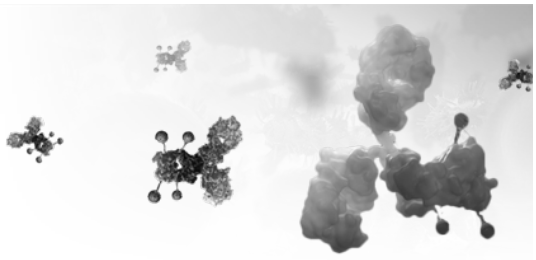

Human AKR1C4 blocking peptide (CDBP0363)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-AKR1C4 antibody
Antigen Description	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq, Jul 2008]
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	AKR1C4 aldo-keto reductase family 1, member C4 [Homo sapiens (human)]
Official Symbol	AKR1C4
Synonyms	AKR1C4; aldo-keto reductase family 1, member C4; C11; CDR; DD4; CHDR; DD-4; HAKRA; 3-

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

	alpha-HSD; aldo-keto reductase family 1 member C4; 3-alpha-HSD1; dihydrodiol dehydrogenase isozyme DD4; type I 3-alpha-hydroxysteroid dehydrogenase; chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4;
Entrez Gene ID	1109
mRNA Refseq	NM_001818.3
Protein Refseq	NP_001809.3
UniProt ID	P17516
Chromosome Location	10p15.1
Pathway	Benzo(a)pyrene metabolism, organism-specific biosystem; Bile acid and bile salt metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol => cholate, organism-specific biosystem; Bile acid biosynthesis, cholesterol => cholate, conserved biosystem; Disease, organism-specific biosystem; Diseases associated with visual transduction, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metab
Function	aldo-keto reductase (NADP) activity; androsterone dehydrogenase activity; bile acid transmembrane transporter activity; chlordecone reductase activity; electron carrier activity; oxidoreductase activity, acting on NAD(P)H, quinone or similar compound as a

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