

Product datasheet for **AP50134PU-N**

AKR1C4 (N-term) Rabbit Polyclonal Antibody

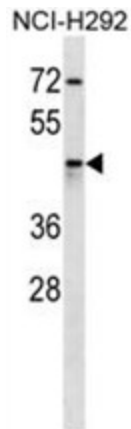
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western blotting: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 10-39 amino acids from the N-terminal region of human AKR1C4.
Specificity:	This antibody reacts to AKR1C4.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aldo-keto reductase family 1, member C4
Database Link:	Entrez Gene 1109 Human P17516



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Background:	AKR1C4 is 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.
Synonyms:	Chlordecone reductase, CDR, CHDR, 3-alpha-HSD1, Dihydrodiol dehydrogenase 4, DD4, DD-4, HAKRA
Note:	Molecular Weight: 37067 Da
Protein Families:	Druggable Genome
Protein Pathways:	Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Primary bile acid biosynthesis

Product images:

AKR1C4 Antibody (N-term) western blot analysis in NCI-H292 cell line lysates (35 ug/lane). This demonstrates the AKR1C4 antibody detected the AKR1C4 protein (arrow).