Datasheet for ABIN950323

anti-AKR1C4 antibody (N-Term)

1 Image

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Overview

Quantity:	0.4 mL
Target:	AKR1C4
Binding Specificity:	AA 10-39, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 10-39 amino acids from the N-terminal region of human AKR1C4.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to AKR1C4.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	AKR1C4
Alternative Name:	AKR1C4 (AKR1C4 Products)

Target Details

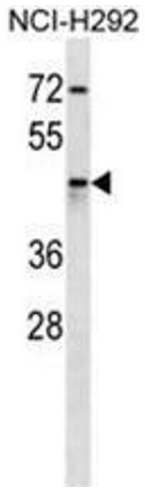
Background:	AKR1C4 is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping 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: 3-alpha-HSD1, 3-alpha-hydroxysteroid dehydrogenase type I, Aldo-keto reductase family 1 member C4, CDR, CHDR, Chlordecone reductase, DD-4, DD4, Dihydrodiol dehydrogenase 4, HAKRA
Gene ID:	1109
NCBI Accession:	NP_001809
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. AKR1C4 Antibody (N-term) western blot analysis in NCI-H292 cell line lysates (35 µg/lane).This demonstrates the AKR1C4 antibody detected the AKR1C4 protein (arrow).